

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT SECRETARY

August 24, 2004

NOTICE TO:

All Prequalified Contractors

FROM:

R.A.Garris, P.E.

Contract Officer

Re:

Good Faith Effort Reports

Those contractors who did not meet or exceed the goals set for their respective projects must submit a complete set of Good Faith Effort reports by 12:00 noon of the sixth day following opening of bids. For a complete set, the Department requires one (1) original and nine (9) copies (for a total of ten) of the report. Please see the project Special Provisions for details and for the sanctions that may be imposed by the Department where the bidder fails to provide the required information by the deadline.

The Goal Compliance Committee reviews and makes recommendations regarding Good Faith Effort reports which are submitted to the Department. The Committee would like to request that bidders include with their Good Faith Effort reports a spreadsheet showing a comparison of all subcontractors' quotes. An example spreadsheet can be obtained from Mr. Greg Keel, PE in Contractual Services. He can be reached at (919) 733-7174 or gkeel@dot.state.nc.us. Email requests are recommended. Please place in the subject line of your email request: Subcontractor Quote Comparison Spreadsheet. This document greatly facilitates the review process. In the near future, this will be added to the project Special Provisions. Your cooperation with this request is appreciated.

If you have any questions, I can be reached at (919) 250-4124.



MICHAEL F. EASLEY **GOVERNOR**

LYNDO TIPPETT SECRETARY

July 20, 2004

NOTICE TO:

All Prequalified Contractors abun

FROM:

R.A.Garris, P.E.

Contract Officer

Re:

Disadvantaged/Minority/Women Business Directory

Beginning with the August 17, 2004 letting when filling orders for Plans and Proposals the Department will discontinue including a printed copy of the DBE/MBE/WBE directory.

The DBE/MBE/WBE directory can be found at the following website location: (http://www.ncdot.org/administration/civilrights/dbedir/). This directory is updated daily and serves as the most current information available to assist the contracting industry in meeting the contract goals.

As important as the above directory, the Current DBE File located at (http://www.doh.dot.state.nc.us/preconstruct/highway/dsn srvc/contracts/expedi/) will be updated each month at advertisement and on the Friday before the Highway letting to access the most current information when preparing your electronic bids. The file should be downloaded each month and stored in the same directory as the .EBS files.

If you have any questions, I can be reached at (919) 250-4124.

WEBSITE: WWW.DOH.DOT.STATE.NC.US



MICHAEL F. EASLEY
GOVERNOR

P.O. BOX 25201, RALEIGH, N.C. 27611-5201

LYNDO TIPPETT SECRETARY

May 14, 2004

NOTICE TO:

All Prequalified Contractors

FROM:

R.A.Garris, P.E.

Contract Officer

Re:

Project Special Provision for

Contractor Borrow Source

Effective with the June 15, 2004 formal highway letting, the attached Project Special Provision for *Contractor Borrow Source* will be included in proposals with potential borrow sources.

This provision was developed with input from the U.S. Army Corps of Engineers. Please review the Project Special Provision for your information.

If you have any questions, please do not hesitate to call me at (919) 250-4124.

RAG/ns Attachment

CONTRACTOR BORROW SOURCE

Revise the 2002 Standard Specifications as follows:

Page 2-17, Article 230-4(C) Contractor Furnished Sources, add the following;

If the Contractor proposes a borrow source, the environmental assessment shall include wetland and stream delineation extending 400 feet beyond the proposed borrow source limits.

- 1. If wetlands or streams are present within 400 feet of the borrow source and the contractor proposes to dewater:
 - a. Submit a hydrologic analysis (DRAINMOD or equivalent) to determine if excavation, pump frequency/duration/volume will permanently impact or cause degradation to wetlands or streams. The analysis shall consist of, but not be limited to:
 - Required buffer width to avoid long term impacts to wetlands or stream
 - Return interval to pre-existing hydrologic conditions after pit excavation and dewatering is completed.
 - b. Attach a conservation easement specifying that the completed pit impoundment, upon returning to mean water table elevation, shall not be drained, ditched, used for irrigation, or any other manner that would degrade wetlands and streams.
 - c. Provide copy of recorded conservation easement to Engineer prior to commencement of any work on proposed pit.
- 2. If wetlands or streams are not present within 400 feet, no additional documentation will be required.

During Department review of the proposed borrow area, the hydrologic analysis will be submitted to the U. S. Army Corps of Engineers for evaluation.

SP1G111



MICHAEL F. EASLEY GOVERNOR

LYNDO TIPPETT SECRETARY

March 23, 2004

NOTICE TO:

FROM:

R. A. Garris, P.E. Contract Office

SUBJECT:

Copies of Invoices Needed with Payment

To help insure that payments are accurately recorded, and to decrease processing time, the Department is requesting that a copy of each invoice be sent along with the corresponding payment. The Department will provide an additional copy of each invoice mailed for that purpose.

If you have any questions, please contact Kim Canady at (919) 250-4124 or e-mail her at klcanady@dot.state.nc.us.



MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

January 20, 2004

NOTICE TO:

All Prequalified Contractors

FROM:

R.A.Garris, P.E.

Contract Officer

Re:

Electronic Bid Bond, Non-Collusion Affidavit, and Debarment

Certification

As we move toward total electronic bid submittals, we are implementing the following changes effective with the March 16, 2004 formal highway letting.

- The Department will require an electronic bid bond to be included with each electronic bid submission.
- 2. In order to comply with Federal and State laws and regulations, an original, properly executed Non-Collusion Affidavit, and Debarment Certification must be on file in the Contract Office from each prospective bidder prior to submitting an electronic bid. It will not be necessary that it be submitted with each bid and letting. The Non-Collusion Affidavit, and Debarment Certification filed with the Department will be valid for all bids submitted through the December 21, 2004 letting.

Properly executed forms shall be delivered to the Department no later than 5:00 p.m. the day prior to the advertised letting in which you intend to submit your first total electronic bid. Forms may be downloaded from the following web-site:

(http://www.doh.dot.state.nc.us/preconstruct/highway/dsn_srvc/contracts/letting.htm).

The form shall be placed in a sealed envelope with the Contractor name clearly labeled, and delivered to:

Physical Address: State Contract Officer Design Services Unit Century Center Bldg. B 1020 Birch Ridge Drive Raleigh, NC 27610

Mailing Address: State Contract Officer

NC Department of Transportation

Contracts and Proposals 1591 Mail Service Center Raleigh, NC 27699-1591

We will be formulating procedures for renewal in the near future and will involve the industry as they are developed.

If you have any questions, please do not hesitate to call me at (919) 250-4124.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
DESIGN SERVICES UNIT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

TELEPHONE: 919-250-4124 FAX: 919-250-4127

WEBSITE: WWW.DOH.DOT.STATE.NC.US

LOCATION: CENTURY CENTER COMPLEX ENTRANCE B15 1020 BIRCH RIDGE DRIVE RALEIGH, NC. 27810

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATON INVITATION TO BID

ELECTRONIC BIDS FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE PROJECT SERVICES LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT 2:00 PM ON SEPTEMBER 21, 2004. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2:00 PM.

BIDS SHALL BE SUBMITTED IN ACCORDANCE WITH THE SPECIAL PROVISION TITLED "ON-LINE ELECTRONIC BIDDING" CONTAINED IN EACH PROPOSAL FORM.

- 1. AN ORIGINAL PROPERLY EXECUTED NON-COLLUSION AFFIDAVIT AND DEBARMENT CERTIFICATION SHALL BE ON FILE IN THE CONTRACT OFFICE FROM EACH PROSPECTIVE BIDDER PRIOR TO SUBMITTING AN ELECTRONIC BID. FORMS ARE AVAILABLE AT
- http://www.doh.dot.state.nc.us/preconstruct/highway/dsn srvc/contracts/letting.htm
- 2. A BID BOND OR BID DEPOSIT IN THE AMOUNT OF 5% OF THE TOTAL AMOUNT BID WILL BE REQUIRED. THE BIDDER SHALL SUBMIT AN ELECTRONIC BID BOND WITH EACH ELECTRONIC BID SUBMITTAL UNLESS HE ELECTS TO FURNISH A BID DEPOSIT.
- 3. UPON RECEIPT OF AWARD LETTER, THE SUCCESSFUL BIDDER SHALL FURNISH A PROPERLY EXECUTED EXECUTION OF CONTRACT, NON-COLLUSION AFFIDAVIT AND DEBARMENT CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. AFFIDAVIT FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE http://www.doh.dot.state.nc.us/preconstruct/highway/dsn srvc/contracts/letting.htm

THE MINIMUM WAGE FOR LABOR WILL BE SHOWN IN THE PROPOSAL FORM FOR FEDERAL AID PROJECTS.

CONTRACTOR'S LICENSE: A GENERAL CONTRACTOR'S LICENSE IS REQUIRED IN ORDER TO SUBMIT A BID ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000.00 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. FOR ADDITIONAL INFORMATION OR TO MAKE APPLICATION FOR A LICENSE, APPLY TO THE EXECUTIVE SECRETARY OF THE CONTRACTOR LICENSING BOARD, P.O. BOX 17187, RALEIGH, NC 27619, (919-571-4183).

STATE PRIVILEGE LICENSE TAXES: CONTRACTORS WHO BID UPON AND/OR ARE AWARDED NORTH CAROLINA HIGHWAY CONSTRUCTION PROJECTS ARE SUBJECT TO CONTRACTOR BIDDERS AND/OR CONTRACTOR PROJECT PRIVILEGE LICENSE TAXES UNDER G.S. 105-54 OF THE STATE REVENUE LAWS. FOR INFORMATION, WRITE TO THE NORTH CAROLINA DEPARTMENT OF REVENUE, LICENSE AND EXCISE TAX DIVISION, P.O. BOX 25000, RALEIGH, NC 27640, OR CALL 919-733-3673.

PREQUALIFYING TO BID: ALL PROSPECTIVE BIDDERS SHALL BE PREQUALIFIED WITH THE DEPARTMENT OF TRANSPORTATION PRIOR TO SUBMITTING A BID. CONTRACTORS WHO ARE NOT PREQUALIFIED MAY OBTAIN INFORMATION AND FORMS FOR PREQUALIFYING FROM THE MANAGER OF CONSTRUCTION, DIVISION OF HIGHWAYS, DEPARTMENT OF TRANSPORTATION, 1543 MAIL SERVICE CENTER, RALEIGH, N. C., 27699-1543. ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE MANAGER OF CONSTRUCTION AT LEAST TWO WEEKS PRIOR TO THE DATE OF OPENING BIDS.

THE DEPARTMENT OF TRANSPORTATION HEREBY NOTIFIES ALL BIDDDERS THAT IT WILL AFFIRMATIVELY INSURE THAT IN ANY CONTRACT ENTERED INTO PURSUANT TO THIS INVITATION TO BID, MINORITY BUSINESS ENTERPRISES WILL BE AFFORDED FULL OPPORTUNITY TO SUBMIT BIDS IN RESPONSE TO THIS INVITATION AND WILL NOT BE DISCRIMINATED AGAINST ON THE GROUNDS OF RACE, COLOR, SEX, OR NATIONAL ORIGIN IN COMPENSATION TO THIS AWARD.

PROPOSAL FORMS AT \$25.00 EACH, PLANS (SMALL SIZE) AT \$40.00 PER SET, PLANS (LARGE SIZE) AT \$100.00 PER SET, AND CROSS-SECTIONS AT \$40.00 PER SET, PLUS SALES TAX FOR N.C. RESIDENTS, MAY BE OBTAINED BY TELEPHONING (919-250-4124), FAXING (919-250-4127), OR WRITING TO: PLANS AND PROPOSALS, PROJECT SERVICES UNIT, DEPARTMENT OF TRANSPORTATION, 1591 MAIL SERVICE CENTER, RALEIGH, N.C., 27699-1591. THESE CHARGES ARE NOT DEPOSITS AND WILL NOT BE REFUNDED. ALL ORDERS FOR PROPOSAL FORMS, PLANS AND CROSS-SECTIONS DELIVERED IN NORTH CAROLINA ARE SUBJECT TO 7% SALES TAX. ORDERS MAILED TO OUT OF STATE CONTRACTORS ARE NOT SUBJECT TO SALES TAX. MAKE ALL CHECKS PAYABLE TO THE "N.C. DEPARTMENT OF TRANSPORTATION".

THE RIGHT IS RESERVED TO REJECT ANY OR ALL BIDS.

TODAY'S DATE IS AUGUST 24, 2004.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)

REVIEW OF PLANS AND PROPOSALS IN DIVISION OFFICE

IN ORDER TO FACILITATE AND ENCOURAGE THE INVOLVEMENT OF MINORITY BUSINESS ENTERPRISES IN THE HIGHWAY CONSTRUCTION PROCESS, IT IS THE POLICY OF THE DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, THAT A SET OF PLANS AND PROPOSAL FOR EACH PROJECT TO BE LET WILL BE MAINTAINED FOR REVIEW BY ANY CONTRACTOR INTERESTED IN BIDDING UPON OR QUOTING WORK IN AN ADVERTISED PROJECT.

THE PROPOSALS AND PLANS WILL BE AVAILABLE FOR REVIEW BEGINNING TWO WEEKS PRIOR TO THE DATE OF BID OPENING IN THE DIVISION OFFICE WHICH WILL ADMINISTER THE CONTRACT. THE DEPARTMENT WILL, UPON REQUEST, MAKE AVAILABLE FROM ITS STAFF A PERSON TO EXPLAIN THE PROPOSED PROJECT AND TO ANSWER GENERAL QUESTIONS RELATING TO THE PROJECT. THE PLANS AND PROPOSALS CAN BE REVIEWED ANY TIME MONDAY THRU FRIDAY, EXCLUDING HOLIDAYS, BETWEEN THE HOURS OF 8:00 A.M. AND 4:30 P.M. IN THE DIVISION OFFICE. IN ORDER TO HAVE A MEMBER OF THE STAFF EXPLAIN THE PROJECT AND/OR ANSWER GENERAL QUESTIONS PERTAINING TO THE PROJECT, PRIOR APPOINTMENTS MUST BE MADE BY CALLING THE APPROPRIATE DIVISION OFFICE.

FOLLOWING ARE THE LOCATIONS AND TELEPHONE NUMBERS OF THE OFFICES IN WHICH THE PLANS AND PROPOSALS WILL BE MADE AVAILABLE, REFERENCE SHOULD BE MADE TO THE SHEETS CONTAINING THE INDIVIDUAL PROJECT QUANTITIES TO DETERMINE WHICH DIVISION OFFICE WILL ADMINISTER THE CONTRACT

DIV NO.	DIVISION ENGINEER	LOCATION	<u>TOWN</u>	TELEPHONE
00001	D. R Conner	113 AIRPORT DR. SUITE 100	EDENTON	(252) 482-7977
00002	C. E. Lassiter, Jr.	105 PACTOLUS ROAD	GREENVILLE	(252) 830-3490
00003	H. A. Pope	124 DIVISION DRIVE	WILMINGTON	(910) 251-5724
00004	Jim H. Trogden, PE	509 WARD BOULEVARD	WILSON	(252) 237-6164
00005	J. G. Nance	2612 NORTH DUKE STREET	DURHAM	(919) 560-6851
00006	T. R. Gibson	558 GILLESPIE STREET	FAYETTEVILLE	(910) 486-1493
00007	J. M. Mills	1534 YANCEYVILLE STREET	GREENSBORO	(336) 334-3192
00008	Tim Johnson, PE	902 N. SANDHILLS BOULEVARD	ABERDEEN	(910) 944-2344
00009	S. P. Ivey	2125 CLOVERDALE AVENUE	WINSTON-SALEM	(336) 631-1340
00010	B. G. Payne	716 WEST MAIN STREET	ALBEMARLE	(704) 982-0101
00011	Michael A. Pettyjohn, PE	NC-115 WEST	NORTH WILKESBORO	(336) 667-9111
00012	M. L. Holder	1710 EAST MARION STREET	SHELBY	(704) 480-5400
00013	J. J. Swain	55 ORANGE STREET	ASHEVILLE	(828) 251-6171
00014	R. G. Watson	253 WEBSTER ROAD	SYLVA	(828) 586-2141

SUMMARY OF PROPOSALS =====

Bid Letting Number L040921								
RPN	Contract Id	WBS	County	Length	JobType			
002	C201264	33315.2.2	MARTIN	0.183 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.			
003	C200846	33311.3.1	JOHNSTON	0.360 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.			
004	C200811	32962.3.1	WAKE	0.610 KM	GRADING, DRAINAGE, PAVING & STRUCTURE.			
005	C201266	35011.3.2	DURHAM	0.373 MI	WIDENING, GRADING, DRAINAGE, PAVING AND CURB & GUTTER.			
006	C200823	34760.3.2	CUMBERLAND	3.833 MI	WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS & STRS.			
007	C200849	33491.3.1	HARNETT	0.212 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.			
800	C200861	33197.3.1	GUILFORD	0.328 MI	GRADING, DRAINAGE, PAVING & CULVERT.			
009	C200961	33177.3.1	CASWELL	0.456 MI	GRADING, DRAINAGE, PAVING & STRUCTURES.			
010	C200963	33235.2.2	ROCKINGHAM	0.180 MI	GRADING, DRAINAGE, PAVING & CULVERT.			
011	C200820	34481.3.2	СНАТНАМ	7.580 KM	GRADING, DRAINAGE, PAVING & STRUCTURES.			
012	C200821	34481.3.3	СНАТНАМ	11.981 KM	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.			
013	C201282	34481.3.2 ETC.	СНАТНАМ	19.561 KM	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.			
014	C200907	33118.3.1	RANDOLPH	0.201 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.			
015	C200959	33120.3.1	RANDOLPH	0.227 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.			
016	C200962	33230.3.1	RANDOLPH	0.208 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.			
017	C200781	32899.3.2	DAVIDSON	0.441 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.			
018	C200828	33171.3.2	CABARRUS	0.266 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.			
019	C200954	32578.3.2	ANSON	0.985 KM	GRADING, DRAINAGE, PAVING & STRUCTURE.			
020	C200892	33378.2.2	ASHE	0.369 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.			
021	C201267	36982.3.1	BUNCOMBE, MCDOWELL	6.800 MI	INTELLIGENT TRAFFIC SYSTEM.			
Bid L	etting Numb	oer L041019						
RPN	Contract Id	WBS	County	Length	JobType			
*001	C200893	34336.3.4	ROBESON	18.189 KM	GRADING, DRAINAGE, PAVING, GUARDRAIL & STRUCTURES.			

*RPN 001 C200893 Robeson Co. is an 8 week advertisement to be let on October 19,2004. Also, for this project only, there will be an increase in pricing. Small Roadway and Structure plans will be \$60.00, X-sections will be \$60.00 and large Roadway and Structure plans will be \$200.00.

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L040921 002

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201264 33315.2.2 DIV OFFICE EDENTON LENGTH = 0.183 MI

COUNTY : MARTIN

GRADING, DRAINAGE, PAVING & STRUCTURE.

0.5 TON FERTILIZER TOPDRESSING
0.5 HR SPECIALIZED HAND MOWING

DBE GOAL 10.0% COMPLETION DATE: JUN 01 2005

BRIDGE OVER DOG BRANCH & APPROACHES ON SR-1001.

		ROADWAY ITEMS			
Lump Sum	LS	MOBILIZATION	8	EA	RESPONSE FOR EROSION CONTROL
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ************************************			
Lump Sum	LS	GRADING			STRUCTURE ITEMS
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING			
200	CY	UNDERCUT EXCAVATION	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
200	CY	SELECT GRANULAR MATERIAL			AT STATION ********
100	SY	FABRIC FOR SOIL STABILIZATION	Lump Sum	LS	(16+67.50-L-) UNCLASSIFIED STRUCTURE EXCAVA-
40	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS	Lump Sum	LO	TION AT STATION ************************************
16	LF	15" SIDE DRAIN PIPE	41.5	CY	CLASS A CONCRETE (BRIDGE)
306	LF	15" RC PIPE CULVERTS, CLASS III	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
32	LF	15" CS PIPE CULVERTS, 0.064"			**************************************
4	EA	THICK **" CS PIPE ELBOWS, *****"	6,912	LB	REINFORCING STEEL (BRIDGE)
,	221	THICK	1,395	LF	HP12X53 STEEL PILES
251		(15", 0.064")	560	LF	HP14X73 STEEL PILES
351	LF TON	PIPE REMOVAL	Lump Sum	LS	GALVANIZING STEEL PILES AT STA
6 340	SY	INCIDENTAL STONE BASE INCIDENTAL MILLING			(16+67.50-L-)
400	TON	ASPHALT CONC BASE COURSE, TYPE	185.25	LF	CONCRETE BARRIER RAIL
		B25.0B	187	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
330	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B	208	SY	FILTER FABRIC FOR DRAINAGE
480	TON	ASPHALT CONC SURFACE COURSE,	Lump Sum	LS	ELASTOMERIC BEARINGS
		TYPE S9.5B	1,296.75	LF	3'-0" X 1'-9" PRESTRESSED CONC
62	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			CORED SLABS
6	EA	MASONRY DRAINAGE STRUCTURES			
4	EA	FRAME WITH TWO GRATES, STD 840.16			
2	EA	FRAME WITH TWO GRATES, STD 840.29			
170	LF	SHOULDER BERM GUTTER			
450	LF	STEEL BM GUARDRAIL			
5	EA EA	ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE			
		III			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
5		PLAIN RIP RAP, CLASS B			
165 1	SY EA	FILTER FABRIC FOR DRAINAGE PREFORMED SCOUR HOLES WITH			
	LA	LEVEL SPREADER APRON			
303	SF	WORK ZONE SIGNS (STATIONARY)			
94	SF	WORK ZONE SIGNS (BARRICADE			
2	EA	MOUNTED) WARNING FLAG SETS			
56	LF	BARRICADES (TYPE III)			
6,202	LF	PAINT PAVEMENT MARKING LINES			
10	EA	(4") PERMANENT RAISED PAVEMENT			
		MARKERS			
750		TEMPORARY SILT FENCE			
75	TON	STONE FOR EROSION CONTROL, CLASS A			
150	TON	STONE FOR EROSION CONTROL, CLASS B			
125	TON	SEDIMENT CONTROL STONE			
		TEMPORARY MULCHING			
50		SEED FOR TEMPORARY SEEDING			
0.25	TON	FERTILIZER FOR TEMPORARY SEED- ING			
275		SILT EXCAVATION			
675		MATTING FOR EROSION CONTROL			
250		1/4" HARDWARE CLOTH			
0.5		SEEDING & MULCHING MOWING			
50		SEED FOR REPAIR SEEDING			
0.25		FERTILIZER FOR REPAIR SEEDING			
50		SEED FOR SUPPLEMENTAL SEEDING			
0.5	TOM	EEDTH IZED TODDDESSING			

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L040921 003

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200846 33311.3.1 DIV OFFICE WILSON LENGTH = 0.360 MI

COUNTY : **JOHNSTON**

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 13.0% COMPLETION DATE: SEP 15 2006

BRIDGE OVER LITTLE RIVER & APPROACHES ON SR-1002.

		ROADWAY ITEMS	68	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
		KOND WITT ITEMS	2	EA	SIGN ERECTION, TYPE D
			2	EA	SIGN ERECTION, TYPE E
Lump Sum	LS	MOBILIZATION	5	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
Lump Sum	LS	CONSTRUCTION SURVEYING	2	EA	DISPOSAL OF SIGN SYSTEM, WOOD
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	105	EA	DRUMS
		(21+48.00)	20	EA	CONES
Lump Sum	LS	GRADING	280	LF	BARRICADES (TYPE III)
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	180	MD	FLAGGER
2.500	CV	BING LINDERCLIT EVCAVATION	4	EA	WARNING LIGHTS (TYPE B)
2,500 1,530	CY CY	UNDERCUT EXCAVATION DRAINAGE DITCH EXCAVATION	1 1,320	EA LF	TEMPORARY CRASH CUSHIONS REMOVABLE TAPE PAVEMENT MARK-
1,500	CY	SELECT GRANULAR MATERIAL	1,320	LI	ING LINES (4")
1,500	SY	FABRIC FOR SOIL STABILIZATION	100	EA	TEMPORARY RAISED PAVEMENT
75	TON	FOUNDATION CONDITIONING MATE-			MARKERS
		RIAL, MINOR STRS	3,520	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
276	LF	15" RC PIPE CULVERTS, CLASS III	3,520	LF	THERMOPLASTIC PAVEMENT MARKING
88	LF	18" RC PIPE CULVERTS, CLASS	3,520		LINES (4", 120 MILS)
		III	1,320	LF	COLD APPLIED PLASTIC PAVEMENT
264	LF	15" CS PIPE CULVERTS, 0.064"	22.050		MARKING LINES (4")
72		THICK	23,960	LF	PAINT PAVEMENT MARKING LINES (4")
72	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	27	EA	PERMANENT RAISED PAVEMENT
2	EA	15" BIT COAT CS PIPE ELBOWS,			MARKERS
		TYPE B 0.064" THICK	1	TON	FOUNDATION CONDITIONING MATE-
464	LF	PIPE REMOVAL			RIAL, UTILITIES CLASS ******* (VI)
2,000	TON	AGGREGATE BASE COURSE	1	TON	BEDDING MATERIAL, UTILITIES
300	TON	INCIDENTAL STONE BASE	•		CLASS ********
1,040	GAL SY	PRIME COAT			(VI)
515	31	MILLING ASPHALT PAVEMENT, ***" DEPTH	16	LF	6" DI WATER PIPE, PC 350
		(1-1/4")	1	EA	6" GATE VALVE & VALVE BOX, 200# WP
880	TON	ASPHALT CONC BASE COURSE, TYPE	1	EA	RELOCATE EXISTING WATER METER
560	TON	B25.0B	1	EA	RELOCATE EXISTING FIRE HYDRANT
560	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B	850	LF	TEMPORARY SILT FENCE
875	TON	ASPHALT CONC SURFACE COURSE,	75	TON	STONE FOR EROSION CONTROL,
		TYPE S9.5B	725	TON	CLASS A
125	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	725	TON	STONE FOR EROSION CONTROL, CLASS B
40	TON	ASPHALT PLANT MIX, PAVEMENT	475	TON	SEDIMENT CONTROL STONE
.0		REPAIR	5	ACR	TEMPORARY MULCHING
22	EA	RIGHT OF WAY MARKERS	200	LB	SEED FOR TEMPORARY SEEDING
45	CY	SUBDRAIN EXCAVATION	0.75	TON	FERTILIZER FOR TEMPORARY SEED- ING
35	CY	SUBDRAIN FINE AGGREGATE	300	LF	TEMPORARY SLOPE DRAINS
200	LF EA	6" PERFORATED SUBDRAIN PIPE 6" SUBDRAIN PIPE WYES, TEES, &	5	EA	INLET PROTECTION AT TEMPORARY
6	LA	ELBOWS			SLOPE DRAINS
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE	1,650	CY	SILT EXCAVATION
		OUTLET	1,575	SY	MATTING FOR EROSION CONTROL
6	LF	6" OUTLET PIPE (SUBDRAINS)	50	LF	1/4" HARDWARE CLOTH
2 2	EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD	12	EA ACR	SPECIAL STILLING BASINS SEEDING & MULCHING
2	LA	840.29	3	ACR	MOWING
86	LF	SHOULDER BERM GUTTER	50	LB	SEED FOR REPAIR SEEDING
1	EA	ADJUSTMENT OF METER BOXES OR	0.25	TON	FERTILIZER FOR REPAIR SEEDING
497.5	T.F.	VALVE BOXES	125	LB	SEED FOR SUPPLEMENTAL SEEDING
487.5 150	LF LF	STEEL BM GUARDRAIL SHOP	5.25	TON	FERTILIZER TOPDRESSING
130	LF	STEEL BM GUARDRAIL, SHOP CURVED	1	HR	SPECIALIZED HAND MOWING
5	EA	ADDITIONAL GUARDRAIL POSTS	8 900	EA LF	RESPONSE FOR EROSION CONTROL GENERIC EROSION CONTROL ITEM
3	EA	GUARDRAIL ANCHOR UNITS, TYPE	700	Li	SAFETY FENCE
4	E.A	AT-1			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III			
1	EA	GUARDRAIL ANCHOR UNITS, TYPE			STRUCTURE ITEMS
265	LF	350 REMOVE EXISTING GUARDRAIL			
195	TON	PLAIN RIP RAP, CLASS B	_		GOVGEN VICTOR VICTOR
1,130	SY	FILTER FABRIC FOR DRAINAGE	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA
3	EA	PREFORMED SCOUR HOLES WITH			***********
		LEVEL SPREADER APRON			(21+48.00-L-)
6	SF	CONTRACTOR FURNISHED, TYPE ***	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
		SIGN (D)			AT STATION ************************************
8.5	SF	CONTRACTOR FURNISHED, TYPE ***	27	LF	**'-**" DIA DRILLED PIERS IN
		SIGN			SOIL
		(E)			(3'-6")

50	LF	**'-**" DIA DRILLED PIERS NOT
		IN SOIL
		(3'-6")
39	LF	PERMANENT STEEL CASING FOR
		'-" DIA DRILLED PIER
		(3'-6")
1	EA	CROSSHOLE SONIC LOGGING
368	LF	CSL TUBES
11,600	SF	REINFORCED CONCRETE DECK SLAB
9,530	SF	GROOVING BRIDGE FLOORS
149	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(21+48.00-L-)
39,324	LB	REINFORCING STEEL (BRIDGE)
4,352	LB	SPIRAL COLUMN REINFORCING
		STEEL (BRIDGE)
1,301.833	LF	54" PRESTRESSED CONCRETE GIR-
		DERS
405	LF	HP12X53 STEEL PILES
657.94	LF	CONCRETE BARRIER RAIL
735	TON	PLAIN RIP RAP CLASS II (2'-0"
		THICK)
815	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
1		

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L040921 004

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200811 32962.3.1 DIV OFFICE DURHAM LENGTH = 0.610 KM

COUNTY : WAKE

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE: JUL 01 2006

BRIDGE OVER NORFOLK SOUTHERN CORP & APPROACHES ON SR-1108.

1,110 MT 1,115 MT 1,270 MT	LS L	MOBILIZATION CONSTRUCTION SURVEYING GRADING SUPPLEMENTARY CLEARING & GRUBBING UNDERCUT EXCAVATION DRAINAGE DITCH EXCAVATION FOUNDATION CONDITIONING MATERIAL, MINOR STRS 450MM SIDE DRAIN PIPE 375MM RC PIPE CULVERTS, CLASS III 450MM RC PIPE CULVERTS, CLASS III 600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK PIPE REMOVAL	275 0.55 4.7 51 4 8 1 13 4 4 4 120 80 40 345 40	M2 M2 EA EA EA EA EA EA M MD	FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (D) CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3KG STEEL U-CHANNEL SIGN ERECTION, TYPE D SIGN ERECTION, TYPE D SIGN ERECTION, TYPE E RELOCATE SIGN, TYPE ***** (E) DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III)
Lump Sum LS Lump Sum LS Lump Sum LS LS Sump Sum LS Sum LS Sum LS Sum Sum LS Sum Sum Sum Sum Sum Sum Sum Sum Sum Su	LS L	CONSTRUCTION SURVEYING GRADING SUPPLEMENTARY CLEARING & GRUBBING UNDERCUT EXCAVATION DRAINAGE DITCH EXCAVATION FOUNDATION CONDITIONING MATERIAL, MINOR STRS 450MM SIDE DRAIN PIPE 375MM RC PIPE CULVERTS, CLASS III 450MM RC PIPE CULVERTS, CLASS III 600MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	4.7 51 4 8 1 13 4 4 120 80 40 345	EA EA EA EA EA EA M	SIGN (D) CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3KG STEEL U-CHANNEL SIGN ERECTION, TYPE D SIGN ERECTION, TYPE D ERELOCATE SIGN, TYPE **** (E) DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WARNING FLAG SETS DRUMS CONES
Lump Sum	LS HA M3 M3 M3 ITN M M M M M M M M ITN	GRADING SUPPLEMENTARY CLEARING & GRUBBING UNDERCUT EXCAVATION DRAINAGE DITCH EXCAVATION FOUNDATION CONDITIONING MATERIAL, MINOR STRS 450MM SIDE DRAIN PIPE 375MM RC PIPE CULVERTS, CLASS III 450MM RC PIPE CULVERTS, CLASS III 600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	51 4 8 1 13 4 4 120 80 40 345	EA EA EA EA EA EA EA EA	(D) CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3KG STEEL U-CHANNEL SIGN ERECTION, TYPE D SIGN ERECTION, TYPE E RELOCATE SIGN, TYPE ***** (E) DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WARNING FLAG SETS DRUMS CONES
0.4 HA 765 M: 25 M: 150 MT 6 M 163.2 M 243.6 M 38.4 M 7.2 M 15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	MA M	SUPPLEMENTARY CLEARING & GRUBBING UNDERCUT EXCAVATION DRAINAGE DITCH EXCAVATION FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS 450MM SIDE DRAIN PIPE 375MM RC PIPE CULVERTS, CLASS III 450MM RC PIPE CULVERTS, CLASS III 600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CULVERTS, CLASS III FOUNDATION TO THE CULVERTS OF THE CULVERTS, TYPE B 1.63MM THICK	51 4 8 1 13 4 4 120 80 40 345	EA EA EA EA EA EA EA EA	SIGN (E) SUPPORTS, 3KG STEEL U-CHANNEL SIGN ERECTION, TYPE D SIGN ERECTION, TYPE E RELOCATE SIGN, TYPE ***** (E) DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WARNING FLAG SETS DRUMS CONES
765 M: 25 M: 150 MT 6 M 163.2 M 243.6 M 38.4 M 7.2 M 15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 1,77 MT 60 MT 1 M: 26 EA 5 M	M3 M3 M3 M1 M M M M M M M M M M M M M M	BING UNDERCUT EXCAVATION DRAINAGE DITCH EXCAVATION FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS 450MM SIDE DRAIN PIPE 375MM RC PIPE CULVERTS, CLASS III 450MM RC PIPE CULVERTS, CLASS III 600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CULVERTS, CLASS III FOUNDATION TO THE CULVERTS OF THE CULVERTS OF THE STREET OF THE	4 8 1 13 4 4 120 80 40 345	EA EA EA EA EA EA EA	(E) SUPPORTS, 3KG STEEL U-CHANNEL SIGN ERECTION, TYPE D SIGN ERECTION, TYPE D ERLOCATE SIGN, TYPE ***** (E) DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WARNING FLAG SETS DRUMS CONES
25 M: 150 MT 66 M 163.2 M 243.6 M 38.4 M 7.2 M 15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M3 ITTN M M M M M M M M M M M ITTN	UNDERCUT EXCAVATION DRAINAGE DITCH EXCAVATION FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS 450MM SIDE DRAIN PIPE 375MM RC PIPE CULVERTS, CLASS III 450MM RC PIPE CULVERTS, CLASS III 600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	4 8 1 13 4 4 120 80 40 345	EA EA EA EA EA EA EA	SUPPORTS, 3KG STEEL U-CHANNEL SIGN ERECTION, TYPE D SIGN ERECTION, TYPE E RELOCATE SIGN, TYPE ***** (E) DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WARNING FLAG SETS DRUMS CONES
25 M: 150 MT 66 M 163.2 M 243.6 M 38.4 M 7.2 M 15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M3 ITTN M M M M M M M M M M M ITTN	DRAINAGE DITCH EXCAVATION FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS 450MM SIDE DRAIN PIPE 375MM RC PIPE CULVERTS, CLASS III 450MM RC PIPE CULVERTS, CLASS III 600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	4 8 1 13 4 4 120 80 40 345	EA EA EA EA EA EA EA	SIGN ERECTION, TYPE D SIGN ERECTION, TYPE E RELOCATE SIGN, TYPE ***** (E) DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WARNING FLAG SETS DRUMS CONES
150 MT 6 M 163.2 M 243.6 M 38.4 M 7.2 M 15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M M M M M M M M M M M M M M M M M M M	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS 450MM SIDE DRAIN PIPE 375MM RC PIPE CULVERTS, CLASS III 450MM RC PIPE CULVERTS, CLASS III 600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	8 1 13 4 4 120 80 40 345	EA EA EA EA EA EA EA	SIGN ERECTION, TYPE E RELOCATE SIGN, TYPE ***** (E) DISPOSAL OF SIGN SYSTEM, U- CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WARNING FLAG SETS DRUMS CONES
163.2 M 243.6 M 38.4 M 7.2 M 15.6 M 15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M M M M M M ITN ITN	450MM SIDE DRAIN PIPE 375MM RC PIPE CULVERTS, CLASS III 450MM RC PIPE CULVERTS, CLASS III 600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	1 13 4 4 120 80 40 345	EA EA EA EA EA M	RELOCATE SIGN, TYPE ***** (E) DISPOSAL OF SIGN SYSTEM, U- CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WARNING FLAG SETS DRUMS CONES
163.2 M 243.6 M 38.4 M 7.2 M 15.6 M 15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M M M M M M ITN ITN	375MM RC PIPE CULVERTS, CLASS III 450MM RC PIPE CULVERTS, CLASS III 600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	4 4 120 80 40 345	EA EA EA EA M	(E) DISPOSAL OF SIGN SYSTEM, U- CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WARNING FLAG SETS DRUMS CONES
243.6 M 38.4 M 7.2 M 15.6 M 15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M M M EA ITN	III 450MM RC PIPE CULVERTS, CLASS III 600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	4 4 120 80 40 345	EA EA EA M	CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WARNING FLAG SETS DRUMS CONES
38.4 M 7.2 M 15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M M M EA M ITN	III 600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	4 120 80 40 345	EA EA EA M	WARNING FLAG SETS DRUMS CONES
7.2 M 15.6 M 15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M M M EA M ITN	600MM RC PIPE CULVERTS, CLASS III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	120 80 40 345	EA EA M	DRUMS CONES
7.2 M 15.6 M 15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M M EA M ITN	III 750MM RC PIPE CULVERTS, CLASS III 400MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	80 40 345	EA M	CONES
15.6 M 2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M3 26 EA 5 M	M EA M ITN ITN	III 400MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	40 345	M	
2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	EA M ITN ITN	400MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	345		BARRICADES (TYPE III)
2 EA 183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	EA M ITN ITN	VERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK		MD	EL A CCED
183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M ITN ITN	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	40	TC A	FLAGGER TEMPORARY RAISED RAVEMENT
183 M 250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M ITN ITN	TYPE B 1.63MM THICK		EA	TEMPORARY RAISED PAVEMENT MARKERS
250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	M ITN ITN		328	M	THERMOPLASTIC PAVEMENT MARKING
250 MT 1,110 MT 1,115 MT 1,270 MT 177 MT 60 MT 1 M: 26 EA 5 M	ITN ITN				LINES (100MM, 2.3MM)
1,115 MT 1,270 MT 177 MT 60 MT 1 M2 26 EA 5 M	ITN	INCIDENTAL STONE BASE	1,748	M	THERMOPLASTIC PAVEMENT MARKING
1,270 MT 177 MT 60 MT 1 M2 26 EA 5 M		ASPHALT CONC BASE COURSE, TYPE			LINES (100MM, 3.1MM)
1,270 MT 177 MT 60 MT 1 M2 26 EA 5 M	ITN	B25.0B	56	M	THERMOPLASTIC PAVEMENT MARKING
177 MT 60 MT 1 M3 26 EA 5 M		ASPHALT CONC INTERMEDIATE	14	M	LINES (200MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING
177 MT 60 MT 1 M3 26 EA 5 M		COURSE, TYPE 119.0B	14	IVI	LINES (400MM, 3.1MM)
60 MT 1 M2 26 EA 5 M		ASPHALT CONC SURFACE COURSE, TYPE S9.5B	8	M	THERMOPLASTIC PAVEMENT MARKING
60 MT 1 M2 26 EA 5 M		ASPHALT BINDER FOR PLANT MIX,			LINES (600MM, 3.1MM)
1 M3 26 EA 5 M		GRADE PG 64-22	2	EA	THERMOPLASTIC PAVEMENT MARKING
26 EA 5 M	ITN	ASPHALT PLANT MIX PAVEMENT			CHARACTER (3.1MM)
26 EA 5 M		REPAIR	12	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
5 M		PIPE COLLARS	144	M	COLD APPLIED PLASTIC PAVEMENT
		MASONRY DRAINAGE STRUCTURES	***		MARKING LINES (100MM)
I EA		MASONRY DRAINAGE STRUCTURES	1,716	M	PAINT PAVEMENT MARKING LINES
	ΞA	FRAME WITH GRATE, STD 840.**** (840.37)			(100MM)
4 EA	R.A.	FRAME WITH TWO GRATES, STD	144	EA	PERMANENT RAISED PAVEMENT
	J	840.16	80	MTN	MARKERS FOUNDATION CONDITIONING MATE-
1 EA		FRAME WITH TWO GRATES, STD	60	IVIII	RIAL, UTILITIES CLASS *******
4 EA		840.29			(VI)
4 EA		FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	80	MTN	BEDDING MATERIAL, UTILITIES CLASS *********
		(E)			(IV)
6 EA	ΞA	FRAME WITH GRATE & HOOD, STD	48.7	MTN	PAVEMENT REPAIR FOR UTILITY
		840.03, TYPE **			WORK
10 EA	2 A	(F) FRAME WITH GRATE & HOOD, STD	252.2	M	200MM DI WATER PIPE, CLASS
10 EA	SA.	840.03, TYPE **			*********** WP
		(G)	88.4	M	(51, PC 2.41MPA) 150MM DI WATER PIPE, PC
1 EA	ΞA	STEEL FRAME WITH TWO GRATES,	7.00	171	2.41MPA
		STD 840.37	165.4	KG	DI RESTRAINED JOINT WATER PIPE
15 M3		CONCRETE RETAINING WALLS			FITTINGS, 1.72MPA MIN WP
185 M		*** X ***MM CONCRETE CURB (200MM X 450MM)	63.1	M	***MM COPPER WATER PIPE, TYPE
915 M		750MM CONCRETE CURB & GUTTER			K (50MM)
125 M2		150MM CONCRETE DRIVEWAY	38.1	M	20MM COPPER WATER PIPE, TYPE K
4 EA		ADJUSTMENT OF MANHOLES	740	KG	DUCTILE IRON WATER PIPE FIT-
3 EA		ADJUSTMENT OF METER BOXES OR			TINGS, 1.72MPA MIN WP
		VALVE BOXES	3	EA	***MM CORPORATION STOP
339.09 M	M	STEEL BM GUARDRAIL			(20MM)
5 EA		ADDITIONAL GUARDRAIL POSTS	2	EA	***MM CORPORATION STOP
2 EA		GUARDRAIL ANCHOR UNITS, TYPE	1	EA	(50MM) ***MM GATE VALVE & VALVE BOX,
4 10		CAT-1	1	ĿА	****MPA WP
4 EA		GUARDRAIL ANCHOR UNITS, TYPE III			(50MM, 1.38MPA WP)
2 EA		GUARDRAIL ANCHOR UNITS, TYPE	4	EA	150MM GATE VALVE & VALVE BOX,
2 EA		350			1.38MPA WP
350.071 M		REMOVE EXISTING GUARDRAIL	2	EA	200MM GATE VALVE & VALVE BOX,
215 M	M	CHAIN LINK FENCE, 1200MM			****MPA WP (1.38MPA WP)
		FABRIC	1	EA	300MM GATE VALVE & VALVE BOX,
65 EA		METAL LINE POSTS FOR 1200MM	1		****MPA WP
15 EA		CHAIN LINK FENCE METAL TERMINAL POSTS FOR			(1.38MPA WP)
15 EA	ĿΑ	METAL TERMINAL POSTS FOR 1200MM CHAIN LINK FENCE	1	EA	*
		1200MM CHAIN LINK FENCE	•		*** X ***MM TAPPING SADDLE (150MM X 20MM)

2	EA	*** X ***MM TAPPING SADDLE (200MM X 50MM)
2	EA	*** X ***MM TAPPING SADDLE
2	LA	(300MM X 20MM)
3	EA	RELOCATE EXISTING WATER METER
3	EA	RELOCATE EXISTING FIRE HYDRANT
43	M	450MM STEEL ENCASEMENT PIPE, ****MM THICK, BY BORING &
		JACKING (7.92MM)
2	EA	GENERIC UTILITY ITEM RELOCATE EXT 50MM WATER METER
2	EA	GENERIC UTILITY ITEM
000		THRUST COLLAR
800	M	TEMPORARY SILT FENCE
105	MTN	STONE FOR EROSION CONTROL, CLASS A
365	MTN	STONE FOR EROSION CONTROL, CLASS B
255	MTN	SEDIMENT CONTROL STONE
1.5	HA	TEMPORARY MULCHING
75	KG	SEED FOR TEMPORARY SEEDING
0.75	MTN	FERTILIZER FOR TEMPORARY SEED- ING
50	M	TEMPORARY SLOPE DRAINS
4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
430	M3	SILT EXCAVATION
1,530	M2	MATTING FOR EROSION CONTROL
200	M	6 4MM HARDWARE CLOTH
200	HA	SEEDING & MULCHING
1	HA	MOWING
25	KG	SEED FOR REPAIR SEEDING
0.25	MTN	FERTILIZER FOR REPAIR SEEDING
50	KG	SEED FOR SUPPLEMENTAL SEEDING
2.75	MTN	FERTILIZER TOPDRESSING
3	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
Ü		

WALL ITEMS

Lump Sum	LS	MSE RETAINING WALL, STA ****** (12+92.508 -L- WALL 1)
Lump Sum	LS	MSE RETAINING WALL, STA ****** (12+92.508 -L- WALL 2)
Lump Sum	LS	MSE RETAINING WALL, STA ****** (12+92 508 -L - WALL 3)

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
1,400	M3	UNCLASSIFIED STRUCTURE EXCAVATION
582.8	M2	REINFORCED CONCRETE DECK SLAB
597.8	M2	GROOVING BRIDGE FLOORS
61.5	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION *********
		(12+92.508 -L-)
6,244	KG	REINFORCING STEEL (BRIDGE)
81,900	LS	APPROX KG STRUCTURAL STEEL
567	M	HP310X79 STEEL PILES
66.02	M	THREE BAR METAL RAIL

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L040921 005

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID : C201266 35011.3.2 **DIV OFFICE DURHAM LENGTH = 0.373 MI**

COUNTY : DURHAM

WIDENING, GRADING, DRAINAGE, PAVING AND CURB & GUTTER.

DBE GOAL 10.0% COMPLETION DATE: NOV 15 2005

NC-98 (HOLLOWAY ST) FROM EAST OF US-70 TO EAST OF JUNCTION RD IN DURHAM.

		ROADWAY ITEMS	305	LF	**"X **" CONCRETE CURB (8" x 18")
			4,350	LF	2'-6" CONCRETE CURB & GUTTER
Lump Sum	LS	MOBILIZATION	1,790	SY	4" CONCRETE SIDEWALK
Lump Sum	LS	CONSTRUCTION SURVEYING	155	SY	CONCRETE WHEELCHAIR RAMPS
100	LF	GENERIC MISCELLANEOUS ITEM STEEL PIPE HANDRAIL FOR	400 570	SY SY	6" CONCRETE DRIVEWAY 5" MONOLITHIC CONCRETE ISLANDS (SUBFACE MOUNTED)
Lump Sum	LS	RETAINING WALL GRADING	30	SY	(SURFACE MOUNTED) 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	2	EA	ADJUSTMENT OF CATCH BASINS
1,500	CY	UNDERCUT EXCAVATION	22	EA	ADJUSTMENT OF MANHOLES
325	TON	CLASS IV SUBGRADE STABILIZA- TION	3	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
2	CY	DRAINAGE DITCH EXCAVATION	25	LF	CHAIN LINK FENCE, 48" FABRIC
500	CY	SELECT GRANULAR MATERIAL	2	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
500	SY	FABRIC FOR SOIL STABILIZATION CENERIC CRADING ITEM	2	EA	METAL TERMINAL POSTS FOR 48"
500	GAL	GENERIC GRADING ITEM DISPOSAL OF DECONTAMINATION WATER	10	TON	CHAIN LINK FENCE PLAIN RIP RAP, CLASS B
270	TON	GENERIC GRADING ITEM	255	SY	FILTER FABRIC FOR DRAINAGE
245	TOM	DISPOSAL OF CONTAMINATED SOIL	78.58	SF	CONTRACTOR FURNISHED, TYPE *** SIGN
245	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS			(D)
1,036	LF	15" RC PIPE CULVERTS, CLASS III	165.65	SF	CONTRACTOR FURNISHED, TYPE *** SIGN
60	LF	18" RC PIPE CULVERTS, CLASS III	120.81	SF	(E) CONTRACTOR FURNISHED, TYPE ***
1,160	LF	24" RC PIPE CULVERTS, CLASS III			SIGN (F)
48	LF	15" BIT COAT CS PIPE CULVERTS,	865	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
		TYPE B 0.064" THICK	6 31	EA EA	SIGN ERECTION, TYPE D SIGN ERECTION, TYPE E
6	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK	6	EA	SIGN ERECTION, TYPE F
1,200	LF	PIPE REMOVAL	8	EA	RELOCATE SIGN, TYPE *****
500	LB	SEALING EXISTING PAVEMENT	20	г.	(E)
500	TON	CRACKS STABILIZER AGGREGATE	30	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
179	TON	AGGREGATE BASE COURSE	7	EA	DISPOSAL OF SUPPORT, U-CHANNEL
75	TON	INCIDENTAL STONE BASE	436	SF	WORK ZONE SIGNS (STATIONARY)
5,320	SY	MILLING ASPHALT PAVEMENT, ***" TO ******" DEPTH	240 88	SF SF	WORK ZONE SIGNS (PORTABLE) WORK ZONE SIGNS (BARRICADE
2.750	CM	(2-1/2" TO 3")	2	EA	MOUNTED) FLASHING ARROW PANELS, TYPE C
2,750 1,885	SY TON	INCIDENTAL MILLING ASPHALT CONC BASE COURSE, TYPE	2	EA	WARNING FLAG SETS
*		B25.0B	130	EA	DRUMS
2,160	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B	110	EA	CONES
3,365	TON	ASPHALT CONC SURFACE COURSE,	174 96	LF LF	BARRICADES (TYPE II) BARRICADES (TYPE III)
		TYPE S9.5B	180	MD	FLAGGER
385	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	35	EA	TUBULAR MARKERS (FIXED)
550	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	650	LF	GENERIC TRAFFIC CONTROL ITEM DEPARTMENT FURNISHED WATER-
36	EA	RIGHT OF WAY MARKERS	2	EA	FILLED BARRIER GENERIC TRAFFIC CONTROL ITEM
112	CY	SUBDRAIN EXCAVATION	2	LA	DEPARTMENT FURNISHED CMS'S
84	CY	SUBDRAIN FINE AGGREGATE	266	EA	TEMPORARY RAISED PAVEMENT
500 15	LF EA	6" PERFORATED SUBDRAIN PIPE 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	325	LF	MARKERS THERMOPLASTIC PAVEMENT MARKING
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	5,423	LF	LINES (4", 90 MILS) THERMOPLASTIC PAVEMENT MARKING
6	LF	6" OUTLET PIPE (SUBDRAINS)	53	LF	LINES (4", 120 MILS) THERMOPLASTIC PAVEMENT MARKING
3	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	1,185	LF	LINES (8", 90 MILS) THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
1	CY	PIPE COLLARS	172	LF	THERMOPLASTIC PAVEMENT MARKING
1	CY	PIPE PLUGS			LINES (16", 120 MILS)
36	EA	MASONRY DRAINAGE STRUCTURES	402	LF	THERMOPLASTIC PAVEMENT MARKING
9	EA	FRAME WITH TWO GRATES, STD 840.16	12	EA	LINES (24", 120 MILS) THERMOPLASTIC PAVEMENT MARKING
13	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	37	EA	CHARACTER (120MIL) THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
11	EA	(F) FRAME WITH GRATE & HOOD, STD \$40.03 TVDE **	41,021	LF	PAINT PAVEMENT MARKING LINES (4")
		840.03, TYPE ** (G)	475	LF	PAINT PAVEMENT MARKING LINES
4	EA	FRAME WITH COVER, STD 840.54			(8")
2	EA	CONCRETE APRON FOR DROP INLETS	946	LF	PAINT PAVEMENT MARKING LINES (16")
70	CY	CONCRETE RETAINING WALLS			()

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1,472	LF	PAINT PAVEMENT MARKING LINES
		(24")
52	EA	PAINT PAVEMENT MARKING CHARAC- TER
78	EA	PAINT PAVEMENT MARKING SYMBOL
6,792	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
593	LF	REMOVAL OF PAVEMENT MARKING
244	LF	LINES (8") REMOVAL OF PAVEMENT MARKING
12	EA	LINES (24") REMOVAL OF PAVEMENT MARKING
170	EA	SYMBOLS & CHARACTERS PERMANENT RAISED PAVEMENT
		MARKERS
Lump Sum	LS TON	PORTABLE LIGHTING
13	ION	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS *******
13	TON	(VI) BEDDING MATERIAL, UTILITIES
		CLASS ***********************************
13	TON	PAVEMENT REPAIR FOR UTILITY WORK
65	LF	6" DI WATER PIPE, PC 350
48	LF	**" DI RESTRAINED JOINT WATER
		PIPE, CLASS ***********************************
2,054	LB	DI RESTRAINED JOINT WATER PIPE
225	TE	FITTINGS, 250# MIN WP
335 10	LF LF	3/4" COPPER WATER PIPE, TYPE K 1" COPPER WATER PIPE, TYPE K
350	LB	DUCTILE IRON WATER PIPE FIT-
		TINGS, 250# MIN WP
1	EA	6" GATE VALVE & VALVE BOX, 200# WP
2	EA	RELOCATE EXISTING FIRE HYDRANT
3	EA	GENERIC UTILITY ITEM
1	EA	INSTALL NEW METER BOX GENERIC UTILITY ITEM
	E.4	INSTALL NEW VALVE BOX
1	EA	GENERIC UTILITY ITEM RELOCATE EXT 1" WATER METER
23	EA	GENERIC UTILITY ITEM RELOCATE EXT 3/4" WATER METER
10	EA	GENERIC UTILITY ITEM
		RELOCATE SANITARY SEWER CLEAN OUT
4	EA	GENERIC UTILITY ITEM THRUST COLLAR
2,200	LF	TEMPORARY SILT FENCE
115	TON	STONE FOR EROSION CONTROL, CLASS A
285	TON	STONE FOR EROSION CONTROL, CLASS B
370	TON	SEDIMENT CONTROL STONE
4	ACR	TEMPORARY MULCHING
150	LB	SEED FOR TEMPORARY SEEDING
0.75	TON	FERTILIZER FOR TEMPORARY SEED- ING
135	CY	SILT EXCAVATION
1,500	SY	MATTING FOR EROSION CONTROL
1,100	LF	1/4" HARDWARE CLOTH
3.5	ACR	SEEDING & MULCHING
2.5 50	ACR LB	MOWING SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
2.75	TON	FERTILIZER TOPDRESSING
3	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
16	EA	PEDESTRIAN SIGNAL HEAD (12", 1 SECTION)
9,805	LF	SIGNAL CABLE
38	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
8	EA	VEHICLE SIGNAL HEAD (12", 5
170	LF	SECTION) MESSENGER CABLE (1/4")
1,050	LF	MESSENGER CABLE (3/8")
920	LF	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 1-1/4" (** CONDUIT)
	_	(1.25", 2)
31	EA	JUNCTION BOX (STANDARD SIZE)
4 13	EA EA	JUNCTION BOX (OVER-SIZED) WOOD POLE
22	EA	GUY ASSEMBLY
7	EA	1" RISER WITH WEATHERHEAD
14	EA	2" RISER WITH WEATHERHEAD
6,120	LF	INDUCTIVE LOOP SAWCUT
7 030	LF	LEAD-IN CABLE

7,030 LF LEAD-IN CABLE

4 EA INTERCONNECT CENTER SIGNAL SUPPORT MAST ARM WITH METAL POLE 6 3 EA DOUBLE MAST ARM WITH METAL EA SOIL TEST DRILLED PIER FOUNDATION (**" 48 DIA) (42") DRILLED PIER FOUNDATION (**" 60 LF DIA) (48") FOUNDATION WITH WING WALLS (TYPE *) (TYPE 2) 4 EA SIGNAL PEDESTAL WITH FOUNDA-TION MAST ARM WITH METAL POLE DESIGN SIGN FOR SIGNALS 5 EA LED BLANKOUT SIGN 2 EA SIGNAL CABINET FOUNDATION 4 4 EA CONTROLLER WITH CABINET (TYPE 170E, BASE MOUNTED) 19 EA DETECTOR CARD (TYPE 170) GENERIC SIGNAL ITEM SYSTEM DETECTOR AMPLIFIER (2 CHANNEL) (2 CHANNEL)
GENERIC SIGNAL ITEM
UNDERGROUND POLYETHYLENE
CONDUIT (2", 1)
GENERIC SIGNAL ITEM
UNDERGROUND POLYETHYLENE
CONDUIT (2", 2) 1,470 LF 300 LF CONDUIT (2", 2) GENERIC SIGNAL ITEM
UNDERGROUND POLYETHYLENE
CONDUIT (2", 4) 260 LF

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L040921 006

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200823 34760.3.2 DIV OFFICE FAYETTEVILLE LENGTH = 3.833 MI

COUNTY : CUMBERLAND

WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS & STRS.

DBE GOAL 15.0% COMPLETION DATE: OCT 01 2007

HOPE MILLS BYPASS FROM SR-1141 (BINGHAM RD) TO SR-1132 (LEGION RD) AT SR-1363 (ELK RD).

		ROADWAY ITEMS	1,000	LB	SEALING EXISTING PAVEMENT CRACKS
			2,000	TON	STABILIZER AGGREGATE
Lump Sum	LS	MOBILIZATION	62,400	TON	AGGREGATE BASE COURSE
-	LS		2,000	TON	INCIDENTAL STONE BASE
Lump Sum		CONSTRUCTION SURVEYING	1,000	SY	MILLING ASPHALT PAVEMENT, ***"
Lump Sum 3	LS ACR	CLEARING & GRUBBING ACRE(S) SUPPLEMENTARY CLEARING & GRUB-			DEPTH
3	ACK	BING			(2-1/2")
16	EA	SEALING ABANDONED WELLS	7,500	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
149,000	CY	UNCLASSIFIED EXCAVATION	5,000	TON	ASPHALT CONC BASE COURSE, TYPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH	5,000	1011	B25.0C
•		FILL, STATION ********	5,500	TON	ASPHALT CONC INTERMEDIATE
		(161+00.74)			COURSE, TYPE I19.0B
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	30,100	TON	ASPHALT CONC INTERMEDIATE
		(161+21.68)			COURSE, TYPE I19.0C
Lump Sum	LS	REINFORCED BRIDGE APPROACH	8,200	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
		FILL, STATION ********	24,300	TON	ASPHALT CONC SURFACE COURSE,
		(31+18.22)	24,300	TON	TYPE S9.5C
21,000	CY	UNDERCUT EXCAVATION	2,800	TON	ASPHALT BINDER FOR PLANT MIX,
500	TON	CLASS IV SUBGRADE STABILIZA-	ŕ		GRADE PG 64-22
472 000	CV	TION POPPOW EYGANATION	1,600	TON	ASPHALT BINDER FOR PLANT MIX,
472,000	CY	BORROW EXCAVATION			GRADE PG 70-22
6,100	CY LF	DRAINAGE DITCH EXCAVATION BERM DITCH CONSTRUCTION	1,600	TON	ASPHALT PLANT MIX, PAVEMENT
1,200 139,200	SY	REMOVAL OF EXISTING ASPHALT	219	EA	REPAIR RIGHT OF WAY MARKERS
139,200	31	PAVEMENT	1,050	CY	SUBDRAIN EXCAVATION
39,600	SY	BREAKING OF EXISTING ASPHALT	530	CY	SUBDRAIN FINE AGGREGATE
,		PAVEMENT	3,100	LF	6" PERFORATED SUBDRAIN PIPE
40	HR	PROOF ROLLING	93	EA	6" SUBDRAIN PIPE WYES, TEES, &
32,000	CY	SELECT GRANULAR MATERIAL	,,,	Lit	ELBOWS
29,500	SY	FABRIC FOR SOIL STABILIZATION	7	EA	CONCRETE PAD FOR SUBDRAIN PIPE
2,992	TON	FOUNDATION CONDITIONING MATE-			OUTLET
		RIAL, MINOR STRS	42	LF	6" OUTLET PIPE (SUBDRAINS)
80	LF	15" SIDE DRAIN PIPE	12.4	CY	ENDWALLS
64	LF	18" SIDE DRAIN PIPE	16.9	CY	REINFORCED ENDWALLS
12 100	LF	24" SIDE DRAIN PIPE	1.447	CY	PIPE COLLARS
12,100	LF	15" RC PIPE CULVERTS, CLASS III	0.11	CY	PIPE PLUGS
2,928	LF	18" RC PIPE CULVERTS, CLASS	280	EA	MASONRY DRAINAGE STRUCTURES
2,720		III	119.13	LF	MASONRY DRAINAGE STRUCTURES
5,328	LF	24" RC PIPE CULVERTS, CLASS	3	EA	FRAME WITH GRATE, STD 840.24
		III	51	EA	FRAME WITH TWO GRATES, STD 840.16
4,564	LF	30" RC PIPE CULVERTS, CLASS	2	EA	FRAME WITH TWO GRATES, STD
1,074	LF	III 36" RC PIPE CULVERTS, CLASS			840.24
1,074	Li	III	31	EA	FRAME WITH GRATE & HOOD, STD
316	LF	42" RC PIPE CULVERTS, CLASS			840.03, TYPE **
		III	82	EA	(E)
588	LF	72" RC PIPE CULVERTS, CLASS	62	LA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
272		III			(F)
272	LF	****" RC PIPE CULVERTS, CLASS IV	110	EA	FRAME WITH GRATE & HOOD, STD
		(18")			840.03, TYPE **
276	LF	****" RC PIPE CULVERTS, CLASS	41	EA	(G)
		IV	41 17	EA EA	CONCRETE APRON FOR CATCH BASIN CONCRETE APRON FOR DROP INLETS
_		(30")	110	LF	**"X **" CONCRETE CURB
3	EA	**" X **" X **" RC PIPE TEES, CLASS III	110	LI	(8" X 12")
		(15" X 15" X 15")	22,800	LF	1'-6" CONCRETE CURB & GUTTER
1	EA	**" X **" X **" RC PIPE TEES,	46,900	LF	2'-6" CONCRETE CURB & GUTTER
		CLASS III	12,800	SY	4" CONCRETE SIDEWALK
		(18" X 18" X 18")	330	SY	CONCRETE WHEELCHAIR RAMPS
1	EA	**" X **" X **" RC PIPE TEES, CLASS III	1,900	SY	6" CONCRETE DRIVEWAY
		(24" X 24" X 15")	30	SY	4" CONCRETE PAVED DITCH
10	EA	**" CS PIPE ELBOWS, *****"	4,700	SY	5" MONOLITHIC CONCRETE ISLANDS
		THICK		ъ.	(KEYED IN)
		(15", 0.064")	1	EA	ADJUSTMENT OF MANHOLES
6	EA	**" CS PIPE ELBOWS, *****"	1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
		THICK (18", 0.064")	1	EA	CONVERT EXISTING DROP INLET TO
60	LF	***" X ***" CS PIPE ARCH CUL-	1	Lit	JUNCTION BOX
00	Li	VERTS, ****** THICK	1	EA	CONVERT EXISTING DROP INLET TO
		(66" X 51", 0.019")			CATCH BASIN
384	LF	15" BIT COAT CS PIPE CULVERTS,	2	EA	IMPACT ATTENUATOR UNIT, TYPE
	, -	TYPE B 0.064" THICK	0.525.5	IF	350 STEEL DM CHARDRAH
136	LF	18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	8,737.5 100	LF LF	STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP
2,249	LF	PIPE REMOVAL	100	Lf	CURVED
Lump Sum	LS	FINE GRADING			

			2,955	LF	2" PVC WATER PIPE, SDR ******
			1,570	LF	(21) 8" PVC WATER PIPE, (C900), DR
8	EA	STEEL BM GUARDRAIL TERMINAL			**, *****WP (DR18, 200# WP)
10	EA	SECTIONS ADDITIONAL GUARDRAIL POSTS	1,335	LF	***" PVC WATER PIPE, (C-900), DR ****, ****#WP
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	1,531	LF	(12", DR18, 200# WP) ***" PE WATER TUBING, SDR 9,
14	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1			*****WP (1", 200#)
11	EA	GUARDRAIL ANCHOR UNITS, TYPE III	69 9	EA EA	1" CORPORATION STOP 2" CORPORATION STOP
17	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	7	EA	**" GATE VALVE & VALVE BOX, ****WP
87.5 4	LF EA	TEMPORARY STEEL BM GUARDRAIL GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY	7	EA	(24", 250# WP) **" GATE VALVE & VALVE BOX, *****WP
18,300 1,540	LF EA	CHAIN LINK FENCE, 48" FABRIC METAL LINE POSTS FOR 48" CHAIN	18	EA	(6", 250# WP) 8" GATE VALVE & VALVE BOX, *****WP
130	EA	LINK FENCE METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	1	EA	(250# WP) 12" GATE VALVE & VALVE BOX,
200	LF	ADDITIONAL BARBED WIRE			*****WP (250# WP)
400	LF	CHAIN LINK FENCE RESET	4	EA	**"X**" TAPPING SLEEVE, VALVE
470 1,230	TON TON	PLAIN RIP RAP, CLASS I PLAIN RIP RAP, CLASS II			& VALVE BOX, *****WP
1,000	TON	PLAIN RIP RAP, CLASS B	2	EA	(16" X 16", 250# WP) **"X**" TAPPING SLEEVE, VALVE
6,465 4	SY EA	FILTER FABRIC FOR DRAINAGE PREFORMED SCOUR HOLES WITH	2	LA	& VALVE BOX, *****WP (24" X 24", 250# WP)
4,000	SF	LEVEL SPREADER APRON GENERIC WALL ITEM	2	EA	**"X**" TAPPING SLEEVE, VALVE & VALVE BOX, *****WP
3,315	LF	SOUND BARRIER WALL SUPPORTS, 3-LB STEEL U-CHANNEL	5	EA	(24" X 8", 250# WP) **"X**" TAPPING SADDLE
5,515	EA	SIGN ERECTION, TYPE D	4	ЕА	(12" X 1") **"X**" TAPPING SADDLE
159 32	EA EA	SIGN ERECTION, TYPE E SIGN ERECTION, TYPE F	4	EA	(12" X 2")
1	EA	RELOCATE SIGN, TYPE ***** (D)	12	EA	**"X**" TAPPING SADDLE (2" X 1")
89	EA	DISPOSAL OF SIGN SYSTEM, U-	16	EA	**"X**" TAPPING SADDLE (24" X 1")
473	SF	CHANNEL WORK ZONE SIGNS (STATIONARY)	1	EA	**"X**" TAPPING SADDLE (24" X 2")
352	SF	WORK ZONE SIGNS (PORTABLE)	1	EA	**"X**" TAPPING SADDLE
256	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	33	EA	(6" X 1") **"X**" TAPPING SADDLE
1	EA	FLASHING ARROW PANELS, TYPE C	33	1.71	(8" X 1")
6	EA	WARNING FLAG SETS	5	EA	**"X**" TAPPING SADDLE
452 70	EA EA	DRUMS CONES	2	EA	(8" X 2") 2" BLOW OFF ASSEMBLY
372	LF	BARRICADES (TYPE III)	76	EA	RELOCATE EXISTING WATER METER
286	MD	FLAGGER	4	EA	FIRE HYDRANT, ****# WP
8	EA	WARNING LIGHTS (TYPE B)	9	EA	(250# WP) RELOCATE EXISTING FIRE HYDRANT
2 1	EA EA	TEMPORARY CRASH CUSHIONS TRUCK MOUNTED IMPACT ATTENUA-	1,865	LF	**" PVC FORCE MAIN SEWER PIPE,
350	LF	TOR (60 MPH) PORTABLE CONCRETE BARRIER			(8", SDR21, 200# WP)
350	LF	(ANCHORED) RESET PORTABLE CONCRETE BAR-	160 690	LF LB	DUCTILE IRON SEWER PIPE FIT-
1,476	EA	RIER (ANCHORED) TEMPORARY RAISED PAVEMENT			TINGS, ************************************
4,878	LF	MARKERS THERMOPLASTIC PAVEMENT MARKING	20 2	EA EA	SANITARY SEWER CLEAN-OUT 4' DIA PRECAST CONC SEWER MAN-
36,421	LF	LINES (4", 90 MILS) THERMOPLASTIC PAVEMENT MARKING	180	LF	HOLE 0-6' DEPTH REMOVE ABANDONED **" PIPE
1,196	LF	LINES (4", 120 MILS) THERMOPLASTIC PAVEMENT MARKING	220	LF	(24", DI WATER) FILL OR REMOVE ABANDONED **"
2,090	LF	LINES (8", 90 MILS) THERMOPLASTIC PAVEMENT MARKING			PIPE, ************************************
258	EA	LINES (24", 120 MILS) THERMOPLASTIC PAVEMENT MARKING	1,860	LF	FILL OR REMOVE ABANDONED **" PIPE, *************
259,595	LF	SYMBOL (90 MILS) PAINT PAVEMENT MARKING LINES	1,090	LF	(8", AC FORCE MAIN) FILL OR REMOVE ABANDONED 12" PIPE. ***********
3,043	LF	(4") PAINT PAVEMENT MARKING LINES	2,355	LF	(PVC WATER) FILL OR REMOVE ABANDONED 16"
2,508	LF	(8") PAINT PAVEMENT MARKING LINES (24")	,		PIPE, ************ (AC, WATER)
208	EA	PAINT PAVEMENT MARKING SYMBOL	1	EA	BREAK DOWN, PLUG, & FILL ABAN- DONED UTILITY MANHOLE
6,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	340	LF	**" STEEL ENCASEMENT PIPE, *****" THICK, BY OPEN CUT
1,767	EA	PERMANENT RAISED PAVEMENT MARKERS	2	EA	(30", 0.312") STEEL PILE PIERS
800	TON	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS ******** (VI)	33	EA	GENERIC UTILITY ITEM 12" RESTRAINED RETAINER GLANDS
850	TON	BEDDING MATERIAL, UTILITIES CLASS ***********************************	25	EA	GENERIC UTILITY ITEM 16" RESTRAINED RETAINER GLANDS GENERIC LITHERY ITEM
420	TON	(VI) PAVEMENT REPAIR FOR UTILITY	11	EA	GENERIC UTILITY ITEM 2" BALL VALVE, 200# WP GENERIC UTILITY ITEM
1,200	LF	WORK 24" DI WATER PIPE, PC *****	1	EA	2" COMBINATION AIR RELEASE VACUUM VALVE AND MANHOLE
29,350	LB	(250) DI RESTRAINED JOINT WATER PIPE	6	EA	GENERIC UTILITY ITEM 2" PVC PIPE FITTINGS
		FITTINGS, 250# MIN WP	47	EA	GENERIC UTILITY ITEM 24" RESTRAINED RETAINER GLANDS

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			44	EA	GUY ASSEMBLY
			5 20	EA EA	1" RISER WITH WEATHERHEAD 2" RISER WITH WEATHERHEAD
1	EA	GENERIC UTILITY ITEM	4	EA	2" RISER WITH HEAT SHRINK
1	LA	3/4" WATER METER	21.000		TUBING
22	EA	GENERIC UTILITY ITEM 6" RESTRAINED RETAINER GLANDS	21,960 22,780	LF LF	INDUCTIVE LOOP SAWCUT LEAD-IN CABLE
79	EA	GENERIC UTILITY ITEM	19,400	LF	COMMUNICATIONS CABLE (**FIBER)
		8" RESTRAINED RETAINER GLANDS		E.4	(12)
1	EA	GENERIC UTILITY ITEM GROUT FILL EXISTING MANHOLE	1 5	EA EA	AERIAL SPLICE ENCLOSURE INTERCONNECT CENTER
		INVERT	5	EA	FIBER-OPTIC TRANSCEIVER
2	EA	GENERIC UTILITY ITEM REMOVE EXISTING STEEL PILE	22	EA	DELINEATOR MARKER
		PIERS	1	EA	FURNISH FIBER-OPTIC RESTORA- TION KIT
230	LF	GENERIC UTILITY ITEM 12" DI RESTRAINED JOINT WATER,	1	EA	FURNISH FIBER-OPTIC TRANSCEIV-
		PIPE PC 350	•	г.	ER
250	LF	GENERIC UTILITY ITEM	20 20	EA EA	METAL STRAIN SIGNAL POLE SOIL TEST
		16" DI RESTRAINED JOINT WATER, PIPE PC 350	300	LF	DRILLED PIER FOUNDATION (**"
40	LF	GENERIC UTILITY ITEM			DIA) (42")
		24" DI FLANGED JOINT WATER PIPE, CLASS 53	13	EA	SIGN FOR SIGNALS
14	LF	GENERIC UTILITY ITEM	4	EA	SIGNAL CABINET FOUNDATION
		24" DI FLANGED TO RESTRAIN JOINT TRANSITION PIPE, CLASS	4	EA	CABINET BASE ADAPTER
		53	4	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
2,285	LF	GENERIC UTILITY ITEM 24" DI RESTRAINED JOINT WATER,	46	EA	DETECTOR CARD (TYPE 2070L)
		PIPE PC 250			
186	LF	GENERIC UTILITY ITEM 6" DI RESTRAINED JOINT WATER,			
		PIPE PC 350			CULVERT ITEMS
30	LF	GENERIC UTILITY ITEM			
		8" DI RESTRAINED JOINT FORCE MAIN SEWER PIPE, PC 350	Lump Sum	LS	CULVERT EXCAVATION, STA ******
2,600	LF	GENERIC UTILITY ITEM			(106+32.00-L-)
		8" DI RESTRAINED JOINT WATER, PIPE PC 350	Lump Sum	LS	CULVERT EXCAVATION, STA ****** (118+40.00-L-)
22,880	LF	TEMPORARY SILT FENCE	Lump Sum	LS	CULVERT EXCAVATION, STA *****
2,250	TON	STONE FOR EROSION CONTROL, CLASS A	Lump Sum	LS	(15+74.00-Y2-) CULVERT EXCAVATION, STA *****
12,845	TON	STONE FOR EROSION CONTROL,	Lump Sum	LO	(184+27.00-L-)
		CLASS B	686	TON	FOUNDATION CONDITIONING MATER-
7,215 108	TON ACR	SEDIMENT CONTROL STONE TEMPORARY MULCHING	730.5	CY	IAL, BOX CULVERT CLASS A CONCRETE (CULVERT)
3,800	LB	SEED FOR TEMPORARY SEEDING	126,773	LB	REINFORCING STEEL (CULVERT)
15.25	TON	FERTILIZER FOR TEMPORARY SEED-	146	TON	PLAIN RIP RAP, CLASS **
		ING			
2 870	IF	TEMPORARY SLOPE DRAINS	184	SY	(1) FILTER FABRIC FOR DRAINAGE
2,870 57	LF EA	TEMPORARY SLOPE DRAINS INLET PROTECTION AT TEMPORARY	184	SY	FILTER FABRIC FOR DRAINAGE
57	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	184	SY	
57 38,800	EA CY	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION	184	SY	
57	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	184	SY	FILTER FABRIC FOR DRAINAGE
38,800 19,250 340	EA CY SY SY	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT			FILTER FABRIC FOR DRAINAGE WALL ITEMS
57 38,800 19,250 340 5,440	EA CY SY	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH	184 Lump Sum	SY	FILTER FABRIC FOR DRAINAGE
38,800 19,250 340	EA CY SY SY	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT			FILTER FABRIC FOR DRAINAGE WALL ITEMS MSE RETAINING WALL, STA ******
57 38,800 19,250 340 5,440 320 2 136	CY SY SY LF CY EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING			WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76 -L-)
57 38,800 19,250 340 5,440 320 2 136 63.5	CY SY SY LF CY EA ACR ACR	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING			FILTER FABRIC FOR DRAINAGE WALL ITEMS MSE RETAINING WALL, STA ******
57 38,800 19,250 340 5,440 320 2 136	CY SY SY LF CY EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING			WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76 -L-)
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550	CY SY SY LF CY EA ACR ACR LB TON LB	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING			WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, &
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102	CY SY SY LF CY EA ACR ACR LB TON LB TON	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING	Lump Sum	LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550	CY SY SY LF CY EA ACR ACR LB TON LB	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING	Lump Sum	LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76 -L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9	CY SY SY LF CY EA ACR ACR LB TON LB TON ACR	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILLIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILLIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE)	Lump Sum	LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9	CY SY SY LF CY EA ACR ACR LB TON LB TON	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTIPEDE) IMPERVIOUS DIKE	Lump Sum Lump Sum	LS LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9	CY SY SY LF CY EA ACR ACR LB TON LB TON ACR	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILLIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILLIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE)	Lump Sum Lump Sum	LS LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76 -L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19,5 32 660	CY SY SY LF CY EA ACR ACR ACR TON LB TON ACR LF HR EA CY	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL	Lump Sum Lump Sum	LS LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 102 0.9 250 19.5 32 660 0.4	CY SY SY LF CY EA ACR ACR LB TON LB TON ACR LF HR EA CY ACR	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILLIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILLIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION	Lump Sum Lump Sum	LS LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19,5 32 660	CY SY SY LF CY EA ACR ACR ACR TON LB TON ACR LF HR EA CY	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL	Lump Sum Lump Sum Lump Sum	LS LS LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 102 0.9 250 19.5 32 660 0.4	CY SY SY LF CY EA ACR ACR LB TON LB TON ACR LF HR EA CY ACR	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1	Lump Sum Lump Sum Lump Sum	LS LS LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19.5 32 660 0.4 3,000	CY SY SY SY LF CY EA ACR ACR LB TON ACR LB TON ACR LB TON ACR	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPPRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE	Lump Sum Lump Sum Lump Sum Lump Sum	LS LS LS LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 0.9 2,25 2,550 102 0.9 250 19.5 32 660 0.4 3,000 8	CY SY SY LF CY EA ACR ACR TON LB TON ACR LF HR EA CY ACR LF	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum	LS LS LS LS LS SF	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19.5 32 660 0.4 3,000 8 17,500 94	CY SY SY LF CY EA ACR ACR LB TON LB TON ACR LF HR EA CY ACR LF LF EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3 SECTION)	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum 34,985 36,930	LS LS LS LS SF SF	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19.5 32 660 0.4 3,000 8	EA CY SY SY SY LF CY EA ACR ACR LB TON ACR LF HR EA CY ACR LF	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum 34,985 36,930 552.3	LS LS LS LS SF SF CY	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19.5 32 660 0.4 3,000 8 17,500 94	CY SY SY LF CY EA ACR ACR LB TON LB TON ACR LF HR EA CY ACR LF LF EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 4 SECTION) VEHICLE SIGNAL HEAD (12", 4 SECTION) VEHICLE SIGNAL HEAD (12", 5	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum 34,985 36,930	LS LS LS LS SF SF	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19.5 32 660 0.4 3,000 8 17,500 94	EA CY SY SY SY LF CY EA ACR ACR LB TON ACR LF HR EA CY ACR LF EA LF EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) VEHICLE SIGNAL HEAD (12", 4 SECTION) VEHICLE SIGNAL HEAD (12", 5 SECTION)	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum 34,985 36,930 552.3 Lump Sum	LS LS LS LS SF SF CY LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19.5 32 660 0.4 3,000 8 17,500 94 2 33 3,300 7,000	EA CY SY SY SY LF CY EA ACR ACR LB TON ACR LF HR EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA LF EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR REOSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3 SECTION) VEHICLE SIGNAL HEAD (12", 4 SECTION) WESSENGER CABLE (1/4") MESSENGER CABLE (1/4") MESSENGER CABLE (1/4") MESSENGER CABLE (1/4") MESSENGER CABLE (1/4")	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum 34,985 36,930 552.3	LS LS LS LS SF SF CY	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19.5 32 660 0.4 3,000 8 17,500 94 2 33 3,300 7,000 15,300	EA CY SY SY SY LF CY EA ACR ACR LB TON ACR LF HR EA CY ACR LF HR EA CY ACR LF LF LF EA LF LF EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3 SECTION) VEHICLE SIGNAL HEAD (12", 4 SECTION) MESSENGER CABLE (1/4") MESSENGER CABLE (1/4") MESSENGER CABLE (1/4") MESSENGER CABLE (3/8") TRACER WIRE	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum 34,985 36,930 552.3 Lump Sum	LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19.5 32 660 0.4 3,000 8 17,500 94 2 33 3,300 7,000 15,300 17,790	EA CY SY SY SY LF CY EA ACR ACR LB TON ACR LF HR EA CY ACR LF EA LF EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERALL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3 SECTION) VEHICLE SIGNAL HEAD (12", 4 SECTION) WESSENGER CABLE (1/4") MESSENGER CABLE (1/4") MESSENGER CABLE (3/8") TRACER WIRE TRENCHING (UNPAVED)	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum 34,985 36,930 552.3 Lump Sum	LS LS LS LS SF SF CY LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19.5 32 660 0.4 3,000 8 17,500 94 2 33 3,300 7,000 15,300	EA CY SY SY SY LF CY EA ACR ACR LB TON ACR LF HR EA CY ACR LF HR EA CY ACR LF LF LF EA LF LF EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR REOSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3 SECTION) VEHICLE SIGNAL HEAD (12", 4 SECTION) WESSENGER CABLE (1/4") MESSENGER CABLE (1/4") DIRECTIONAL DRILL POLYETHYLENE CONDUIT, ******* (** CONDUIT)	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum 34,985 36,930 552.3 Lump Sum Lump Sum Lump Sum	LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ************** (161+95.29-L- LT LANE) REMOVAL OF EXISTING STRUCTURE AT STATION ************* (32+18.00-L-) FOUNDATION EXCAVATION FOR BENT ** AT STATION ************** (1, 161+95.29-L- LT LANE) FOUNDATION EXCAVATION FOR BENT ** AT STATION ************* (1, 161+95.29-L- RT LANE) UNCLASSIFIED STRUCTURE EXCAVATION AT STATION *********** (32+18.00-L-) REINFORCED CONCRETE DECK SLAB GROOVING BRIDGE FLOORS CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19.5 32 660 0.4 3,000 8 17,500 94 2 33 3,300 7,000 15,300 17,790 2,640	EA CY SY SY SY LF CY EA ACR ACR LB TON ACR LF HR EA CY ACR LF HR EA LF LF LF LF LF LF LF LF	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3 SECTION) VEHICLE SIGNAL HEAD (12", 4 SECTION) WESSENGER CABLE (1/4") MESSENGER CABLE (3/8") TRACER WIRE TRENCHING (UNPAVED) DIRECTIONAL DRILL POLYETHYLENE CONDUIT, *****" (** CONDUIT) (1-1/4", 1)	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum 34,985 36,930 552.3 Lump Sum	LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 2.25 2,550 102 0.9 250 19.5 32 660 0.4 3,000 8 17,500 94 2 33 3,300 7,000 15,300 17,790	EA CY SY SY SY LF CY EA ACR ACR LB TON ACR LF HR EA CY ACR LF EA LF EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR REOSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3 SECTION) VEHICLE SIGNAL HEAD (12", 4 SECTION) WESSENGER CABLE (1/4") MESSENGER CABLE (1/4") DIRECTIONAL DRILL POLYETHYLENE CONDUIT, ******* (** CONDUIT)	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum 34,985 36,930 552.3 Lump Sum Lump Sum Lump Sum Lump Sum	LS LS LS LS LS LS LS LS LS LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************
57 38,800 19,250 340 5,440 320 2 136 63.5 950 102 2,255 102 0,9 250 0,4 3,000 8 17,500 94 2 33 3,300 7,000 15,300 17,790 2,640	EA CY SY SY LF CY EA ACR ACR TON LB TON ACR LF HR EA CY ACR LF EA LF EA EA EA EA EA EA EA EA EA EA EA EA EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT MAT 1/4" HARDWARE CLOTH STILLING BASINS SPECIAL STILLING BASINS SEEDING & MULCHING MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING FERTILIZER TOPDRESSING SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTI- PEDE) IMPERVIOUS DIKE SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL CULVERT DIVERSION CHANNEL REFORESTATION GENERIC EROSION CONTROL ITEM SAFETY FENCE PEDESTRIAN SIGNAL HEAD (12", 1 SECTION) SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 4 SECTION) VEHICLE SIGNAL HEAD (12", 5 SECTION) MESSENGER CABLE (1/4") MESSENGER CABLE (3/8") TRACER WIRE TRENCHING (UNPAVED) DIRECTIONAL DRILL POLYETHYLENE CONDUIT, ******" (** CONDUIT) (1-1/4", 1) JUNCTION BOX (STANDARD SIZE)	Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum Lump Sum 34,985 36,930 552.3 Lump Sum Lump Sum Lump Sum Lump Sum	LS LS LS LS LS LS LS LS LS LS	WALL ITEMS MSE RETAINING WALL, STA ****** (162+29.76-L-) STRUCTURE ITEMS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************

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1,751.32	LF	45" PRESTRESSED CONCRETE GIR- DERS
747,200	LS	APPROX LBS STRUCTURAL STEEL
6,160	LF	HP12X53 STEEL PILES
2,000	LF	HP14X73 STEEL PILES
Lump Sum	LS	GALVANIZING STEEL PILES AT STA *********
		(32+18.00-L-)
755.76	LF	THREE BAR METAL RAIL
512.73	LF	CONCRETE BARRIER RAIL
886	TON	PLAIN RIP RAP CLASS II (2'-0"
		THICK)
985	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM CHAIN LINK FENCE FOR PROTECT- ION OF RAILROAD (STA 161+95.29 -L-LT LN)
Lump Sum	LS	GENERIC STRUCTURE ITEM CHAIN LINK FENCE FOR PROTECT- ION OF RAILROAD (STA 161+95.29 -L-RT LN)

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L040921 007

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200849 33491.3.1 DIV OFFICE FAYETTEVILLE LENGTH = 0.212 MI

COUNTY : HARNETT

GRADING, DRAINAGE, PAVING & STRUCTURE.

CLASS A

130 TON STONE FOR EROSION CONTROL,
CLASS B

DBE GOAL 8.0% COMPLETION DATE: DEC 31 2005

BRIDGE OVER BLACK RIVER & APPROACHES ON SR-1780.

		ROADWAY ITEMS	40 0.5	TON ACR	SEDIMENT CONTROL STONE TEMPORARY MULCHING
			50	LB	SEED FOR TEMPORARY SEEDING
Lump Sum	LS	MOBILIZATION	0.25	TON	FERTILIZER FOR TEMPORARY SEED-
Lump Sum	LS	CONSTRUCTION SURVEYING			ING
3,700	CY	UNCLASSIFIED EXCAVATION	50	LF	TEMPORARY SLOPE DRAINS
Lump Sum	LS	REINFORCED BRIDGE APPROACH	2	EA	INLET PROTECTION AT TEMPORARY
Lump Sum	LO	FILL, STATION *********			SLOPE DRAINS
		(17+68.00)	10	CY	SILT EXCAVATION
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	1,205	SY	MATTING FOR EROSION CONTROL
		BING	40	LF	1/4" HARDWARE CLOTH
500	CY	UNDERCUT EXCAVATION	0.5	ACR	SEEDING & MULCHING
Lump Sum	LS	GRADING	0.5	ACR	MOWING
12	CY	DRAINAGE DITCH EXCAVATION	50	LB	SEED FOR REPAIR SEEDING
500	CY	SELECT GRANULAR MATERIAL	0.25	TON	FERTILIZER FOR REPAIR SEEDING
500	SY	FABRIC FOR SOIL STABILIZATION	50	LB	SEED FOR SUPPLEMENTAL SEEDING
300	SF	TEMPORARY SHORING	0.25	TON	FERTILIZER TOPDRESSING
28	LF	15" RC PIPE CULVERTS, CLASS	2	HR	SPECIALIZED HAND MOWING
		III	0.75	ACR	REFORESTATION
24	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK			
130	LF	PIPE REMOVAL			
100	TON	INCIDENTAL STONE BASE			STRUCTURE ITEMS
540	SY	INCIDENTAL MILLING			
1,050	TON	ASPHALT CONC BASE COURSE, TYPE			
,		B25.0B	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
675	TON	ASPHALT CONC INTERMEDIATE	*		AT STATION ********
		COURSE, TYPE I19.0B			(17+68.00 -L-)
715	TON	ASPHALT CONC SURFACE COURSE,	57.4	CY	CLASS A CONCRETE (BRIDGE)
		TYPE S9.5B	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
127	TON	ASPHALT BINDER FOR PLANT MIX,			*******
		GRADE PG 64-22			(17+68.00 -L-)
2	EA	MASONRY DRAINAGE STRUCTURES	9,795	LB	REINFORCING STEEL (BRIDGE)
2	EA	FRAME WITH TWO GRATES, STD	760	LF	HP12X53 STEEL PILES
		840.29	1,075	LF	HP14X73 STEEL PILES
95	LF	SHOULDER BERM GUTTER	Lump Sum	LS	GALVANIZING STEEL PILES AT STA
500	LF	STEEL BM GUARDRAIL			(17+68.00 -L-)
5	EA	ADDITIONAL GUARDRAIL POSTS	355.8	LF	CONCRETE BARRIER RAIL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	245	TON	PLAIN RIP RAP CLASS II (2'-0"
	E.4	III	243	1011	THICK)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	275	SY	FILTER FABRIC FOR DRAINAGE
687.5	LF	REMOVE EXISTING GUARDRAIL	Lump Sum	LS	ELASTOMERIC BEARINGS
2	TON	PLAIN RIP RAP, CLASS B	2,128.5	LF	3'-0" X 1'-9" PRESTRESSED CONC
232	SY	FILTER FABRIC FOR DRAINAGE	_,		CORED SLABS
20	SF	CONTRACTOR FURNISHED, TYPE ***	Lump Sum	LS	GENERIC STRUCTURE ITEM
20	31	SIGN	*		REMOVAL OF TEMPORARY STR @ STA
		(D)			17+68.00 -L-
23.25	SF	CONTRACTOR FURNISHED, TYPE ***			
		SIGN			
		(E)			
135	LF	SUPPORTS, 3-LB STEEL U-CHANNEL			
3	EA	SIGN ERECTION, TYPE D			
5	EA	SIGN ERECTION, TYPE E			
9	EA	DISPOSAL OF SIGN SYSTEM, U-			
_		CHANNEL			
1	EA	DISPOSAL OF SIGN SYSTEM, WOOD			
110	SF	WORK ZONE SIGNS (STATIONARY)			
96	SF	WORK ZONE SIGNS (PORTABLE)			
32	SF	WORK ZONE SIGNS (BARRICADE			
40	Ε.	MOUNTED) DRUMS			
49	EA				
25	EA MD	CONES			
4		FLAGGER			
1	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH)			
38	EA	TEMPORARY RAISED PAVEMENT			
10.520	LF	MARKERS DAINT DAVIEMENT MARKING LINES			
19,520	LF	PAINT PAVEMENT MARKING LINES (4")			
900	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
20	EA	PERMANENT RAISED PAVEMENT MARKERS			
700	LF	TEMPORARY SILT FENCE			
75	TON	STONE FOR EROSION CONTROL,			
, 3		CLASS A			

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L040921 008

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200861 33197.3.1 DIV OFFICE GREENSBORO LENGTH = 0.328 MI

COUNTY : **GUILFORD**

GRADING, DRAINAGE, PAVING & CULVERT.

96 SF WORK ZONE SIGNS (PORTABLE) 92 SF WORK ZONE SIGNS (BARRICADE MOUNTED)

DBE GOAL 13.0% COMPLETION DATE: NOV 15 2005

CULVERT ON PRONG OF ALAMANCE CREEK AND APPROACHES ON SR-3143.

		ROADWAY ITEMS	3 40	EA EA	WARNING FLAG SETS DRUMS
			30	EA	CONES
		MODILIZATION	134	LF	BARRICADES (TYPE III)
Lump Sum	LS	MOBILIZATION	280	MD	FLAGGER
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	4	EA	TEMPORARY CRASH CUSHIONS
250	CY	UNDERCUT EXCAVATION	3	EA	RESET TEMPORARY CRASH CUSHIONS
	LS	GRADING	2	EA	TRUCK MOUNTED IMPACT ATTENUA-
Lump Sum 21,300		BORROW EXCAVATION	2	LA	TOR (45 MPH)
,	CY		1,530	LF	PORTABLE CONCRETE BARRIER
1,300	SF	TEMPORARY SHORING	240	LF	RESET PORTABLE CONCRETE BAR-
150	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS			RIER
772	LF	15" RC PIPE CULVERTS, CLASS	28,829	LF	PAINT PAVEMENT MARKING LINES
112	LI	III			(4")
376	LF	18" RC PIPE CULVERTS, CLASS	133	LF	PAINT PAVEMENT MARKING LINES
		III			(8")
160	LF	24" RC PIPE CULVERTS, CLASS	375	LF	PAINT PAVEMENT MARKING LINES
		III			(24")
76	LF	24" BIT COAT CS PIPE CULVERTS,	8	EA	PAINT PAVEMENT MARKING SYMBOL
		TYPE B 0.064" THICK	2,100	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
4	EA	24" BIT COAT CS PIPE ELBOWS, T	8	TON	PAVEMENT REPAIR FOR UTILITY
924	TE	YPE B 0.064" THICK	0	ION	WORK
824	LF	PIPE REMOVAL	3,770	LB	DI RESTRAINED JOINT WATER PIPE
250	TON	INCIDENTAL STONE BASE	-,		FITTINGS, 250# MIN WP
520	SY	INCIDENTAL MILLING	2	EA	6" GATE VALVE & VALVE BOX,
1,640	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			200# WP
1,550	TON	ASPHALT CONC INTERMEDIATE	2	EA	RELOCATE EXISTING FIRE HYDRANT
1,550	1011	COURSE, TYPE 119.0B	410	LF	FILL OR REMOVE ABANDONED 12"
1,350	TON	ASPHALT CONC SURFACE COURSE,			PIPE, **********
,		TYPE S9.5A			(DI WATER)
230	TON	ASPHALT BINDER FOR PLANT MIX,	1	EA	BREAK DOWN & REBUILD EXISTING MANHOLE
		GRADE PG 64-22	535	LF	GENERIC UTILITY ITEM
14	EA	RIGHT OF WAY MARKERS	333	LI	12" DI RESTRAINED JOINT WATER
0.5	CY	PIPE PLUGS			PIPE, PC 350
19	EA	MASONRY DRAINAGE STRUCTURES	81	LF	GENERIC UTILITY ITEM
12	LF	MASONRY DRAINAGE STRUCTURES			6" DI RESTRAINED JOINT WATER
2	EA	FRAME WITH GRATE, STD 840.****			PIPE, PC 350
		(840.16)	24	LF	GENERIC UTILITY ITEM 8" DI RESTRAINED JOINT WATER
8	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **			PIPE, PC 350
		(E)	34	TON	GENERIC UTILITY ITEM
6	EA	FRAME WITH GRATE & HOOD, STD			#67 STONE FOR FOUNDATION
		840.03, TYPE **			CONDITIONING
		(F)	34	TON	GENERIC UTILITY ITEM
2	EA	FRAME WITH GRATE & HOOD, STD	(75		#67 STONE FOR PIPE BEDDING
		840.03, TYPE ** (G)	675	LF	TEMPORARY SILT FENCE
2	EA	FRAME WITH COVER, STD 840.54	75	TON	STONE FOR EROSION CONTROL, CLASS A
3,750	LF	2'-6" CONCRETE CURB & GUTTER	305	TON	
950	SY	4" CONCRETE SIDEWALK	303	ION	STONE FOR EROSION CONTROL, CLASS B
14	SY	CONCRETE SIDEWALK CONCRETE WHEELCHAIR RAMPS	265	TON	SEDIMENT CONTROL STONE
2	EA	ADJUSTMENT OF CATCH BASINS	2.5	ACR	TEMPORARY MULCHING
5	EA	ADJUSTMENT OF CATCH BASINS ADJUSTMENT OF MANHOLES	100	LB	SEED FOR TEMPORARY SEEDING
9	EA	ADJUSTMENT OF METER BOXES OR	0.5	TON	FERTILIZER FOR TEMPORARY SEED-
,	LA	VALVE BOXES	0.5	10	ING
1	EA	CONVERT EXISTING CATCH BASIN	55	LF	TEMPORARY SLOPE DRAINS
		TO JUNCTION BOX WITH MANHOLE	2	EA	INLET PROTECTION AT TEMPORARY
		COVER			SLOPE DRAINS
975	LF	STEEL BM GUARDRAIL	585	CY	SILT EXCAVATION
5	EA	ADDITIONAL GUARDRAIL POSTS	1,760	SY	MATTING FOR EROSION CONTROL
2	EA	GUARDRAIL ANCHOR UNITS, TYPE	600	LF	1/4" HARDWARE CLOTH
2	Ε.	CAT-1	300	CY	STILLING BASINS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			SEEDING & MULCHING
63	TON	PLAIN RIP RAP, CLASS I			MOWING
6		PLAIN RIP RAP, CLASS B	50	LB	SEED FOR REPAIR SEEDING
785	SY	FILTER FABRIC FOR DRAINAGE			FERTILIZER FOR REPAIR SEEDING
27.25	SF	CONTRACTOR FURNISHED, TYPE ***	75	LB	SEED FOR SUPPLEMENTAL SEEDING
27.23		SIGN	2.75	TON	FERTILIZER TOPDRESSING
		(E)	365	LF	IMPERVIOUS DIKE
54	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	2.5	HR	SPECIALIZED HAND MOWING
5	EA	SIGN ERECTION, TYPE E	8	EA	RESPONSE FOR EROSION CONTROL
11	EA	DISPOSAL OF SIGN SYSTEM, U-	360	CY	CULVERT DIVERSION CHANNEL
	c.r.	CHANNEL WORK ZONE SIGNS (STATIONARY)			
444	SF	WORK ZONE SIGNS (STATIONARY)			

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CULVERT ITEMS

Lump Sum LS CULVERT EXCAVATION, STA ******

17+06.68 -L-)

327 TON FOUNDATION CONDITIONING MATERIAL, BOX CULVERT

Lump Sum LS GENERIC CULVERT ITEM
CONSTRUCTION OF CULVERT
AT STA 17+06.68 -L-

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L040921 009

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200961 33177.3.1 DIV OFFICE GREENSBORO LENGTH = 0.456 MI

COUNTY : CASWELL

GRADING, DRAINAGE, PAVING & STRUCTURES.

DBE GOAL 10.0% COMPLETION DATE: DEC 31 2006

BRIDGES OVER COUNTRY LINE CREEK & PRONG OF COUNTRY LINE CREEK & APPROACHES ON SR-1565.

		ROADWAY ITEMS	1,660 200	LF TON	TEMPORARY SILT FENCE STONE FOR EROSION CONTROL, CLASS A
Lump Sum	LS	MOBILIZATION	1,020	TON	STONE FOR EROSION CONTROL,
Lump Sum	LS	CONSTRUCTION SURVEYING	950	TON	CLASS B
Lump Sum	LS	REINFORCED BRIDGE APPROACH	850 6.5	TON ACR	SEDIMENT CONTROL STONE TEMPORARY MULCHING
		FILL, STATION ************************************	250	LB	SEED FOR TEMPORARY SEEDING
1	A CD	(26+65.00)	1	TON	FERTILIZER FOR TEMPORARY SEED-
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING			ING
1,000	CY	UNDERCUT EXCAVATION	40	LF	TEMPORARY SLOPE DRAINS
Lump Sum	LS	GRADING	2	EA	INLET PROTECTION AT TEMPORARY
14,200	CY	BORROW EXCAVATION	2,455	CY	SLOPE DRAINS SILT EXCAVATION
219	CY	DRAINAGE DITCH EXCAVATION	3,820	SY	MATTING FOR EROSION CONTROL
400	CY	SELECT GRANULAR MATERIAL	25	SY	PERMANENT SOIL REINFORCEMENT
400 200	SY SF	FABRIC FOR SOIL STABILIZATION TEMPORARY SHORING			MAT
60	TON	FOUNDATION CONDITIONING MATE-	200	LF	1/4" HARDWARE CLOTH
00	1011	RIAL, MINOR STRS	100	SY	FLOATING TURBIDITY CURTAIN
28	LF	15" SIDE DRAIN PIPE	40	CY	STILLING BASINS
36	LF	24" SIDE DRAIN PIPE	16	EA	SPECIAL STILLING BASINS
132	LF	15" RC PIPE CULVERTS, CLASS	7 4		SEEDING & MULCHING MOWING
		III	100	LB	SEED FOR REPAIR SEEDING
60	LF	**" CS PIPE CULVERTS, *****" THICK	0.25	TON	FERTILIZER FOR REPAIR SEEDING
		(36", 0.079")	150	LB	SEED FOR SUPPLEMENTAL SEEDING
168	LF	**" CS PIPE CULVERTS, *****"	5.25	TON	FERTILIZER TOPDRESSING
		THICK	150	LF	IMPERVIOUS DIKE
06	LF	(96", 0.168") 15" BIT COAT CS PIPE CULVERTS,	6	HR	SPECIALIZED HAND MOWING
96	LF	TYPE B 0.064" THICK	16	EA	RESPONSE FOR EROSION CONTROL
228	LF	PIPE REMOVAL	80	CY	CULVERT DIVERSION CHANNEL
1,100	TON	AGGREGATE BASE COURSE	1.5	ACR	REFORESTATION
200	TON	INCIDENTAL STONE BASE			
1,070	GAL	PRIME COAT			
750	TON	ASPHALT CONC BASE COURSE, TYPE			CULVERT ITEMS
900	TON	B25.0B ASPHALT CONC SURFACE COURSE,			
91	TON	TYPE SF9.5A ASPHALT BINDER FOR PLANT MIX,	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
20	TON	GRADE PG 64-22 ASPHALT PLANT MIX, PAVEMENT		1.0	AT STATION ************************************
		REPAIR	Lump Sum	LS	CULVERT EXCAVATION, STA ****** (15+91.00 -L-)
25	EA	RIGHT OF WAY MARKERS	138	TON	FOUNDATION CONDITIONING MATER-
10 10	EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD	4050		IAL, BOX CULVERT
10	LA	840.29	195.9	CY	CLASS A CONCRETE (CULVERT)
1,000	SF	GENERIC DRAINAGE ITEM	39,883	LB	REINFORCING STEEL (CULVERT)
2,350	LF	SANDBAG HEADWALL SHOULDER BERM GUTTER			
2,375	LF	STEEL BM GUARDRAIL			CTDUCTUDE ITEMS
10	EA	ADDITIONAL GUARDRAIL POSTS			STRUCTURE ITEMS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE			
		III	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, &
8	EA	GUARDRAIL ANCHOR UNITS, TYPE	•		REMOVAL OF TEMP STRUCTURE AT
1,525	LF	350 TEMPORARY STEEL BM GUARDRAIL			STA ************************************
1,323	EA	GUARDRAIL ANCHOR UNITS, TYPE	Lump Sum	LS	(26+65.00 -L-) CONSTRUCTION, MAINTENANCE, &
•	2.1	*********** TEMPORARY (III)	Zump Sum	25	REMOVAL OF TEMP ACCESS AT STA
13	EA	GUARDRAIL ANCHOR UNITS, TYPE			(26+65.00 -L-)
200	TON	350 TEMPORARY PLAIN RIP RAP, CLASS I	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION *********
200	TON TON	PLAIN RIP RAP, CLASS I PLAIN RIP RAP, CLASS B			(26+65.00 -L-)
1,627	SY	FILTER FABRIC FOR DRAINAGE	177.5	LF	3'-0" DIA DRILLED PIERS IN SO
276	SF	WORK ZONE SIGNS (STATIONARY)			IL
224	SF	WORK ZONE SIGNS (PORTABLE)	97	LF	3'-0" DIA DRILLED PIERS NOT IN SOIL
72	SF	WORK ZONE SIGNS (BARRICADE	155.9	LF	PERMANENT STEEL CASING FOR
		MOUNTED)	133.9	2.71	3'-0" DIA DRILLED PIER
50	EA	DRUMS	2	EA	SID INSPECTION
50	EA	CONES PARRICA DES (TYPE HI)	2	EA	CROSSHOLE SONIC LOGGING
96 50	LF MD	BARRICADES (TYPE III) FLAGGER	1,176.6	LF	CSL TUBES
1	EA	TRUCK MOUNTED IMPACT ATTENUA-	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION *******
	_	TOR (60 MPH)			(26+65.00 -L-)
216	EA	TEMPORARY RAISED PAVEMENT MARKERS	105.8	CY	CLASS A CONCRETE (BRIDGE)
51,600	LF	PAINT PAVEMENT MARKING LINES	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
,		(4")			(26+65.00 -L-)

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40,605 LB REINFORCING STEEL (BRIDGE)
4,704 LB SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
360 LF HP12X53 STEEL PILES
435.5 LF CONCRETE BARRIER RAIL
390 TON PLAIN RIP RAP CLASS II (2'-0" THICK)
433 SY FILTER FABRIC FOR DRAINAGE
Lump Sum LS ELASTOMERIC BEARINGS
2,389.75 LF 3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

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L040921 010

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200963 33235.2.2 DIV OFFICE GREENSBORO LENGTH = 0.180 MI

COUNTY : ROCKINGHAM

GRADING, DRAINAGE, PAVING & CULVERT.

$\label{eq:completion} DBE\ GOAL\ 11.0\% \quad COMPLETION\ DATE: SEE\ SPECIAL\ PROVISIONS$ CULVERT ON JACOB'S CREEK AND APPROACHES ON SR-2331 (BARHAM RD).

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
200	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
12,600	CY	BORROW EXCAVATION
760	CY	DRAINAGE DITCH EXCAVATION
300	LF	BERM DITCH CONSTRUCTION
100	CY	SELECT GRANULAR MATERIAL
100	SY	FABRIC FOR SOIL STABILIZATION FOUNDATION CONDITIONING MATE-
35	TON	RIAL, MINOR STRS
28	LF	**" SIDE DRAIN PIPE (30")
204	LF	15" RC PIPE CULVERTS, CLASS III
52	LF	18" RC PIPE CULVERTS, CLASS III
36	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
2	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
100	TON	STABILIZER AGGREGATE
100	TON	INCIDENTAL STONE BASE
625	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
380	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
52	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
8	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
18	EA	RIGHT OF WAY MARKERS
4	EA	MASONRY DRAINAGE STRUCTURES
4	EA	FRAME WITH TWO GRATES, STD 840.29
435	LF	SHOULDER BERM GUTTER
850	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
6	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
45	TON	PLAIN RIP RAP, CLASS I
355	TON	PLAIN RIP RAP, CLASS B
1,190	SY	FILTER FABRIC FOR DRAINAGE
213 94	SF SF	WORK ZONE SIGNS (STATIONARY)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
96	LF	BARRICADES (TYPE III)
7,600	LF	PAINT PAVEMENT MARKING LINES (4")
24	EA	PERMANENT RAISED PAVEMENT MARKERS
725	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
355	TON	STONE FOR EROSION CONTROL, CLASS B
155	TON	SEDIMENT CONTROL STONE
1.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEED-ING
115	LF	TEMPORARY SLOPE DRAINS
3	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS

SLOPE DRAINS 765 CY SILT EXCAVATION

80 LF 1/4" HARDWARE CLOTH 2 EA SPECIAL STILLING BASINS 2.5 ACR SEEDING & MULCHING

50 LB SEED FOR REPAIR SEEDING
0.25 TON FERTILIZER FOR REPAIR SEEDING

1 ACR MOWING

1,240 SY MATTING FOR EROSION CONTROL 50 SY PERMANENT SOIL REINFORCEMENT

50	LB	SEED FOR SUPPLEMENTAL SEEDING
1.75	TON	FERTILIZER TOPDRESSING
235	LF	IMPERVIOUS DIKE
2.5	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
15	EA	GENERIC EROSION CONTROL ITEM

CULVERT ITEMS

TEMPORARY SILT DIKE

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
Lump Sum	LS	CULVERT EXCAVATION, STA ****** (20+78.00 -L-)
205	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
328.4	CY	CLASS A CONCRETE (CULVERT)
52,274	LB	REINFORCING STEEL (CULVERT)

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L040921 011

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C200820 34481.3.2 DIV OFFICE ABERDEEN LENGTH = 7.580 KM

COUNTY : CHATHAM

GRADING, DRAINAGE, PAVING & STRUCTURES.

MBE GOAL 9.0% WBE 7.0% COMPLETION DATE: DEC 31 2007

US-421 FROM SOUTH OF SR-1007 (PLANK RD) AT GULF TO NORTH OF SR-1010 (GLADSTONE-PITTSBORO RD).

uma Cum		ROADWAY ITEMS	380	MTN	ASPHALT CONC BASE COURSE, TYPI
umn Cum			21,300	MTN	B25.0B ASPHALT CONC BASE COURSE, TYPI B25.0C
Lump Sum	LS	MOBILIZATION	2 600	MTN	ASPHALT CONC INTERMEDIATE
Lump Sum	LS	CONSTRUCTION SURVEYING	2,000	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	COURSE, TYPE I19.0B
Lump Sum Lump Sum	LS LS	FIELD OFFICE CLEARING & GRUBBING HEC-	20,000	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
0.8	НА	TARE(S) SUPPLEMENTARY CLEARING & GRUB-	2,880	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
85,100	М3	BING UNCLASSIFIED EXCAVATION	20,860	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	2,168	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
Lump Sum	LS	(18+04.666) REINFORCED BRIDGE APPROACH	1,252	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
		FILL, STATION ************************************	177	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
9,761	M3	UNDERCUT EXCAVATION	14,200	M	MILLED RUMBLE STRIPS
325	MTN	CLASS IV SUBGRADE STABILIZA-	580	M3	SUBDRAIN EXCAVATION
		TION	290	M3	SUBDRAIN FINE AGGREGATE
243,000	M3	BORROW EXCAVATION	700	M	150MM PERFORATED SUBDRAIN PIP
3,500	M3	DRAINAGE DITCH EXCAVATION	70	EA	150MM SUBDRAIN PIPE WYES,
320 11,200	M M2	BERM DITCH CONSTRUCTION REMOVAL OF EXISTING ASPHALT			TEES, & ELBOWS
		PAVEMENT	5	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
22	HR	PROOF ROLLING	10	M	150MM OUTLET PIPE (SUBDRAINS)
1,000	M3	SELECT GRANULAR MATERIAL	2,100	M	SHOULDER DRAIN
1,000	M2	FABRIC FOR SOIL STABILIZATION	2,100	M	100MM SHOULDER DRAIN PIPE
780	MTN	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS	75	M	100MM OUTLET PIPE (SHOULDER DRAINS)
25.2	M	450MM SIDE DRAIN PIPE	14	EA	CONCRETE PAD FOR SHOULDER
6	M	600MM SIDE DRAIN PIPE	14	EA	DRAIN PIPE OUTLET
703.2	M	375MM RC PIPE CULVERTS, CLASS	15	MTN	BLOTTING SAND
		III	9.7	M3	REINFORCED ENDWALLS
1,008	M	450MM RC PIPE CULVERTS, CLASS	11.63	M3	PIPE COLLARS
2400			17	M3	FLOWABLE FILL
340.8	M	600MM RC PIPE CULVERTS, CLASS III	70 3.24	EA	MASONRY DRAINAGE STRUCTURES
99.6	M	750MM RC PIPE CULVERTS, CLASS III	3.24	M EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD
24	M	900MM RC PIPE CULVERTS, CLASS III	9	EA	840.16 FRAME WITH TWO GRATES, STD
10.8	M	1500MM RC PIPE CULVERTS, CLASS III	57	EA	840.20 FRAME WITH TWO GRATES, STD
21.6	M	1800MM RC PIPE CULVERTS, CLASS III	2	EA	840.22 FRAME WITH TWO GRATES, STD
30	M	****MM RC PIPE CULVERTS, CLASS IV	1	EA	FRAME WITH GRATE & HOOD, STD
		(375MM)			840.03, TYPE **
70.8	M	****MM RC PIPE CULVERTS, CLASS IV	1	EA	(E) FRAME WITH GRATE & HOOD, STD
111.6	M	(600MM) 400MM BIT COAT CS PIPE CUL-			840.03, TYPE ** (F)
111.0	IVI	VERTS, TYPE B 1.63MM THICK	1	EA	FRAME WITH GRATE & HOOD, STD
21.6	M	450MM BIT COAT CS PIPE CUL-			840.03, TYPE ** (G)
	-	VERTS, TYPE B 1.63MM THICK	3	EA	FRAME WITH COVER, STD 840.54
12	EA	400MM BIT COAT CS PIPE ELBOWS,	215	M	750MM CONCRETE CURB & GUTTER
	г.	TYPE B 1.63MM THICK	900	M	SHOULDER BERM GUTTER
4	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	1	EA	MODIFIED CONCRETE FLUME
250.1	M	PIPE REMOVAL	145	M	CONCRETE EXPRESSWAY GUTTER
	LS	FINE GRADING	17	M2	100MM CONCRETE PAVED DITCH
52,902	M2	LIME TREATED SOIL (SLURRY	740	M2	125MM MONOLITHIC CONCRETE IS-
		METHOD)	=-	1.1	LANDS (SURFACE MOUNTED)
		LIME FOR LIME TREATED SOIL #57 STONE	73	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
		STABILIZER AGGREGATE	1	EA	ADJUSTMENT OF CATCH BASINS
49,100	MTN	AGGREGATE BASE COURSE	1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
35,268	M2	***MM SOIL CEMENT BASE (180MM)	4	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX
1,070	MTN	PORTLAND CEMENT FOR SOIL CE- MENT BASE	10	EA	CONVERT EXISTING CATCH BASIN
		AGGREGATE FOR SOIL CEMENT BASE	1	EA	TO DROP INLET CONVERT EXISTING DROP INLET TO
	L	ASPHALT CURING SEAL	1		JUNCTION BOX
60,000		INCIDENTAL STONE BASE			
60,000 250	MTN M2		4	EA	IMPACT ATTENUATOR UNIT, TYPE
60,000		MILLING ASPHALT PAVEMENT, **MM DEPTH (60MM)	3,417.57	EA M	IMPACT ATTENUATOR UNIT, TYPE 350 STEEL BM GUARDRAIL

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			24	EA	PAINT PAVEMENT MARKING CHARAC-
			356	EA	TER PAINT PAVEMENT MARKING SYMBOL
20.528	M	TRIPLE CORRUGATED STEEL BM	200	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
235.92	M	GUARDRAIL 508MM TUBULAR TRIPLE CORRUGA-	1,279	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
8	EA	TED STEEL BM GUARDRAIL W-TR STEEL BM GUARDRAIL TRAN-	2,450	M	TEMPORARY SILT FENCE
10	EA	SITION SECTIONS ADDITIONAL GUARDRAIL POSTS	500	MTN	STONE FOR EROSION CONTROL, CLASS A
9	EA	GUARDRAIL ANCHOR UNITS, TYPE	9,500	MTN	STONE FOR EROSION CONTROL, CLASS B
2	Ε.	(B-77)	4,175 42	MTN HA	SEDIMENT CONTROL STONE TEMPORARY MULCHING
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	1,950	KG	SEED FOR TEMPORARY SEEDING
13	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	16		FERTILIZER FOR TEMPORARY SEED-ING
8	EA	GUARDRAIL ANCHOR UNITS, TYPE III	425 28	M EA	TEMPORARY SLOPE DRAINS INLET PROTECTION AT TEMPORARY
11	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	33,525	M3	SLOPE DRAINS SILT EXCAVATION
8	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	7,500 11,050	M2 M2	SYNTHETIC ROVING MATTING FOR EROSION CONTROL
2,428 14,467	M M	REMOVE EXISTING GUARDRAIL WOVEN WIRE FENCE, 1200MM FAB-	910	M2	PERMANENT SOIL REINFORCEMENT MAT
3,090	EA	RIC 100MM TIMBER FENCE POSTS,	1,125	M	6.4MM HARDWARE CLOTH
		2.30M LONG	125	M	***MM TEMPORARY PIPE (600MM)
592	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	80 46	M3 HA	STILLING BASINS SEEDING & MULCHING
1,447 93	M MTN	ADDITIONAL BARBED WIRE PLAIN RIP RAP, CLASS I	23 500	HA KG	MOWING SEED FOR REPAIR SEEDING
121 2,221.2		PLAIN RIP RAP, CLASS A PLAIN RIP RAP, CLASS B	2	MTN	FERTILIZER FOR REPAIR SEEDING
155.5 6,403.3	MTN M2	BOULDERS FILTER FABRIC FOR DRAINAGE	1,300 80	KG MTN	SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING
3	M3	REINFORCED CONCRETE SIGN FOOT-	0.4	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD
1	M3	INGS PLAIN CONCRETE SIGN FOOTINGS	15	M	FESCUE/BLUEGRASS) IMPERVIOUS DIKE
1,021 745	KG KG	SUPPORTS, BREAKAWAY STEEL BEAM SUPPORTS, SIMPLE STEEL BEAM	20 16	HR EA	SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL
878	M	SUPPORTS, 4.5KG STEEL U-CHANNEL	3	EA	ROOTWADS
7 142	EA EA	SIGN ERECTION, TYPE D SIGN ERECTION, TYPE E	7.5 0.13	HA HA	REFORESTATION STREAMBANK REFORESTATION
14	EA	SIGN ERECTION, TYPE F	720	M	GENERIC EROSION CONTROL ITEM SAFETY FENCE
6	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)			
6	EA	(A) SIGN ERECTION, TYPE *** (GROUND MOUNTED)			CULVERT ITEMS
2	EA	(B) DISPOSAL OF SIGN SYSTEM. STEEL			
2	EA EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	Lump Sum	LS	CULVERT EXCAVATION, STA ****** (13+28.500-L-)
101	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL	Lump Sum	LS LS	
101 2 42	EA EA EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS			(13+28.500-L-) CULVERT EXCAVATION, STA ******
101	EA EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C	Lump Sum	LS	(13+28.500-L-) CULVERT EXCAVATION, STA ***** (52+75.440-L-) CULVERT EXCAVATION, STA *****
101 2 42 253 107 240	EA EA EA EA M	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III)	Lump Sum Lump Sum 127 188.8	LS LS MTN M3	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT)
101 2 42 253 107 240 512 2	EA EA EA EA HR EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B)	Lump Sum Lump Sum 127 188.8 15,424	LS LS MTN	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS **
101 2 42 253 107 240 512 2	EA EA EA EA HR EA EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH)	Lump Sum Lump Sum 127 188.8 15,424	LS LS MTN M3 KG	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATER-IAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT)
101 2 42 253 107 240 512 2	EA EA EA EA HR EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT	Lump Sum Lump Sum 127 188.8 15,424	LS LS MTN M3 KG	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1)
101 2 42 253 107 240 512 2 2 13	EA EA EA EA M HR EA EA M2	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED)	Lump Sum Lump Sum 127 188.8 15,424	LS LS MTN M3 KG	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS **
101 2 42 253 107 240 512 2	EA EA EA EA HR EA EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT	Lump Sum Lump Sum 127 188.8 15,424	LS LS MTN M3 KG	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1)
101 2 42 253 107 240 512 2 2 13	EA EA EA EA M HR EA EA M2	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM	Lump Sum Lump Sum 127 188.8 15,424 3	LS LS MTN M3 KG MTN	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS
101 2 42 253 107 240 512 2 2 13	EA EA EA EA M HR EA EA M2	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U-CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE)	Lump Sum Lump Sum 127 188.8 15,424 3	LS LS MTN M3 KG MTN	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS 1066MM DIA DRILLED PIERS IN SOIL
101 2 42 253 107 240 512 2 2 13	EA EA EA EA HR EA EA M HR EA EA M2 M2	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (STATIONARY) TEMPORARY RAISED PAVEMENT MARKERS	Lump Sum Lump Sum 127 188.8 15,424 3 95.3 43 8 10	LS LS MTN M3 KG MTN M M M EA EA	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS 1066MM DIA DRILLED PIERS IN SOIL 1066MM DIA DRILLED PIERS NOT IN SOIL SID INSPECTION SPT TESTING
101 2 42 253 107 240 512 2 2 13 19 89 3,223 31,586	EA EA EA EA EA HR EA EA M M M EA EA M M EA EA M M M EA EA M M M E M E	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BORNICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (FORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (STATIONARY) TEMPORARY RAISED PAVEMENT MARKERS THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)	Lump Sum Lump Sum 127 188.8 15,424 3 95.3 43 8 10 2 593.9	LS LS MTN M3 KG MTN M M M EA EA M M	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS 10666MM DIA DRILLED PIERS IN SOIL 1066MM DIA DRILLED PIERS NOT IN SOIL SID INSPECTION SPT TESTING CROSSHOLE SONIC LOGGING CSL TUBES
101 2 42 253 107 240 512 2 2 13 19 89 3,223 31,586 5,536	EA EA EA EA EA M HR EA EA M2 M2 M2	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (STATIONARY) TEMPORARY RAISED PAVEMENT MARKERS THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)	Lump Sum Lump Sum 127 188.8 15,424 3 95.3 43 8 10 2	LS LS MTN M3 KG MTN M M M EA EA EA	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS 1066MM DIA DRILLED PIERS IN SOIL 1066MM DIA DRILLED PIERS NOT IN SOIL SID INSPECTION SPT TESTING CROSSHOLE SONIC LOGGING
101 2 42 253 107 240 512 2 2 13 19 89 3,223 31,586	EA EA EA EA EA HR EA EA M M M EA EA M M EA EA M M M EA EA M M M E M E	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (FORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (STATIONARY) TEMPORARY RAISED PAVEMENT MARKERS THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)	Lump Sum Lump Sum 127 188.8 15,424 3 95.3 43 8 10 2 593.9 1,228.6 1,010.5 244.6	LS LS MTN M3 KG MTN M M M M EA EA EA M M2	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS 1066MM DIA DRILLED PIERS IN SOIL 1066MM DIA DRILLED PIERS NOT IN SOIL SID INSPECTION SPT TESTING CROSSHOLE SONIC LOGGING CSL TUBES REINFORCED CONCRETE DECK SLAB GROOVING BRIDGE FLOORS CLASS A CONCRETE (BRIDGE)
101 2 42 253 107 240 512 2 2 13 19 89 3,223 31,586 5,536	EA EA EA EA EA M HR EA EA M2 M2 M2	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (FORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (STATIONARY) TEMPORARY RAISED PAVEMENT MARKERS THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)	Lump Sum Lump Sum 127 188.8 15,424 3 95.3 43 8 10 2 593.9 1,228.6 1,010.5	LS LS MTN M3 KG MTN M M M EA EA EA M M2 M2 M3	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS 1066MM DIA DRILLED PIERS IN SOIL SID INSPECTION SPT TESTING CROSSHOLE SONIC LOGGING CSL TUBES REINFORCED CONCRETE DECK SLAB GROOVING BRIDGE FLOORS
101 2 42 253 107 240 512 2 2 13 19 89 3,223 31,586 5,536 2,856	EA EA EA EA EA HR EA EA M M M EA EA M M M M	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (FORTABLE) TORANGE SHEETING (FORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (STATIONARY) TEMPORARY RAISED PAVEMENT MARKERS THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 3.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 3.3MM)	Lump Sum Lump Sum 127 188.8 15,424 3 95.3 43 8 10 2 593.9 1,228.6 1,010.5 244.6	LS LS MTN M3 KG MTN M M M EA EA EA M M2 M2 M3	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS 1066MM DIA DRILLED PIERS IN SOIL 1066MM DIA DRILLED PIERS NOT IN SOIL SID INSPECTION SPT TESTING CROSSHOLE SONIC LOGGING CSL TUBES REINFORCED CONCRETE DECK SLAB GROOVING BRIDGE FLOORS CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
101 2 42 253 107 240 512 2 2 13 19 89 3,223 31,586 5,536 2,856 116	EA EA EA EA HR EA EA M M HR EA EA M M M M M	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (FORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (FORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (STATIONARY) TEMPORARY RAISED PAVEMENT MARKERS THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)	Lump Sum Lump Sum 127 188.8 15,424 3 95.3 43 8 10 2 593.9 1,228.6 1,010.5 244.6 Lump Sum Lump Sum	LS LS MTN M3 KG MTN M M M EA EA EA M M2 M2 M3 LS LS	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS 1066MM DIA DRILLED PIERS IN SOIL 1066MM DIA DRILLED PIERS NOT IN SOIL SID INSPECTION SPT TESTING CROSSHOLE SONIC LOGGING CSL TUBES REINFORCED CONCRETE DECK SLAB GROOVING BRIDGE FLOORS CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
101 2 42 253 107 240 512 2 2 13 19 89 3,223 31,586 5,536 2,856 116 4	EA EA EA EA EA EA HR EA M HR EA EA M2 M2 M2 EA M M M M EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (FORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (STATIONARY) TEMPORARY RAISED PAVEMENT MARKERS THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM) THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM) PAINT PAVEMENT MARKING LINES	Lump Sum Lump Sum 127 188.8 15,424 3 95.3 43 8 10 2 593.9 1,228.6 1,010.5 244.6 Lump Sum	LS LS MTN M3 KG MTN M M M EA EA EA M M2 M2 M3 LS	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS 1066MM DIA DRILLED PIERS IN SOIL 1066MM DIA DRILLED PIERS NOT IN SOIL SID INSPECTION SPT TESTING CROSSHOLE SONIC LOGGING CSL TUBES REINFORCED CONCRETE DECK SLAB GROOVING BRIDGE FLOORS CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
101 2 42 253 107 240 512 2 2 13 19 89 3,223 31,586 5,536 2,856 116 4 82	EA EA EA EA HR EA EA M2 M2 M2 M2 EA M M M EA EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (STATIONARY) TEMPORARY RAISED PAVEMENT MARKERS THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM) THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM) THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM) PAINT PAVEMENT MARKING LINES (100MM) PAINT PAVEMENT MARKING LINES	Lump Sum Lump Sum 127 188.8 15,424 3 95.3 43 8 10 2 593.9 1,228.6 1,010.5 244.6 Lump Sum Lump Sum	LS LS MTN M3 KG MTN M M M EA EA EA M M2 M2 M3 LS LS KG	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS 1066MM DIA DRILLED PIERS IN SOIL 1066MM DIA DRILLED PIERS NOT IN SOIL SID INSPECTION SPT TESTING CROSSHOLE SONIC LOGGING CSL TUBES REINFORCED CONCRETE DECK SLAB GROOVING BRIDGE FLOORS CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
101 2 42 253 107 240 512 2 2 13 19 89 3,223 31,586 5,536 2,856 116 4 82 165,409	EA EA EA EA EA HR EA EA M2 M2 M2 EA M M M M M M M EA EA M M M M M EA EA M	DISPOSAL OF SIGN SYSTEM, STEEL BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS DRUMS CONES BARRICADES (TYPE III) FLAGGER WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA- TOR (66 MPH) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE MOUNTED) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (STATIONARY) TEMPORARY RAISED PAVEMENT MARKERS THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING LINES (3.3MM) PAINT PAVEMENT MARKING LINES (100MM)	Lump Sum Lump Sum 127 188.8 15,424 3 95.3 43 8 10 2 593.9 1,228.6 1,010.5 244.6 Lump Sum Lump Sum Lump Sum	LS LS MTN M3 KG MTN M M M EA EA M M2 M2 M3 LS LS KG KG	(13+28.500-L-) CULVERT EXCAVATION, STA ****** (52+75.440-L-) CULVERT EXCAVATION, STA ****** (62+33.970-L-) FOUNDATION CONDITIONING MATERIAL, BOX CULVERT CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT) PLAIN RIP RAP, CLASS ** (1) STRUCTURE ITEMS 1066MM DIA DRILLED PIERS IN SOIL 1066MM DIA DRILLED PIERS NOT IN SOIL SID INSPECTION SPT TESTING CROSSHOLE SONIC LOGGING CSL TUBES REINFORCED CONCRETE DECK SLAB GROOVING BRIDGE FLOORS CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************

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398.5 M HP310X79 STEEL PILES
209.288 M CONCRETE BARRIER RAIL
2,030 M2 100MM SLOPE PROTECTION
Lump Sum LS ELASTOMERIC BEARINGS
Lump Sum LS EVAZOTE JOINT SEALS

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L040921 012

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C200821 34481.3.3 DIV OFFICE ABERDEEN LENGTH = 11.981 KM

COUNTY : **CHATHAM**

GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.

MBE GOAL 9.0% WBE 7.0% COMPLETION DATE: DEC 31 2007

US-421 FROM NORTH OF SR-1010 TO 4 LANE BYPASS SOUTH OF SILER CITY.

		ROADWAY ITEMS	89	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
			30,300	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
Lump Sum Lump Sum	LS LS	MOBILIZATION CONSTRUCTION SURVEYING	34,400	MTN	ASPHALT CONC SURFACE COURSE,
Lump Sum	LS	CLEARING & GRUBBING HEC- TARE(S)	106	MTN	TYPE S9.5C ASPHALT CONC SURFACE COURSE,
1.2	HA	SUPPLEMENTARY CLEARING & GRUB- BING	3,113	MTN	TYPE SF9.5A ASPHALT BINDER FOR PLANT MIX,
212,000	M3	UNCLASSIFIED EXCAVATION	2,064	MTN	GRADE PG 64-22 ASPHALT BINDER FOR PLANT MIX,
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ************************************	100	MTN	GRADE PG 70-22 ASPHALT PLANT MIX PAVEMENT
Lump Sum	LS	(-L- 22+83.346) REINFORCED BRIDGE APPROACH	22,640	M	REPAIR MILLED RUMBLE STRIPS
1		FILL, STATION ************************************	414	M3	SUBDRAIN EXCAVATION
17,198	M3	UNDERCUT EXCAVATION	207	M3	SUBDRAIN FINE AGGREGATE
325	MTN	CLASS IV SUBGRADE STABILIZA- TION	500 50	M EA	150MM PERFORATED SUBDRAIN PIPE 150MM SUBDRAIN PIPE WYES,
190,500	M3	BORROW EXCAVATION			TEES, & ELBOWS
1,466	M3	DRAINAGE DITCH EXCAVATION	4	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
425	M	BERM DITCH CONSTRUCTION	8	M	150MM OUTLET PIPE (SUBDRAINS)
9,300	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	1,800	M	SHOULDER DRAIN
39	HR	PROOF ROLLING	1,800	M	100MM SHOULDER DRAIN PIPE
500	M3	SELECT GRANULAR MATERIAL	75	M	100MM OUTLET PIPE (SHOULDER DRAINS)
1,500	M2	FABRIC FOR SOIL STABILIZATION	4	EA	CONCRETE PAD FOR SHOULDER
1,910	MTN	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS	20		DRAIN PIPE OUTLET
82.8	M	375MM SIDE DRAIN PIPE	30 9.2	MTN M3	BLOTTING SAND ENDWALLS
3,679.2	M	375MM RC PIPE CULVERTS, CLASS	4.3	M3	REINFORCED ENDWALLS
1 107 6	M	III ASOMM DC DIDE CHI VEDTS CLASS	18.35	M3	PIPE COLLARS
1,197.6	IVI	450MM RC PIPE CULVERTS, CLASS III	26.46	M3	FLOWABLE FILL
436.8	M	600MM RC PIPE CULVERTS, CLASS	148	EA	MASONRY DRAINAGE STRUCTURES
106.0	м	III 750MM DC DIDE CHI VEDTS CLASS	7.2	M EA	MASONRY DRAINAGE STRUCTURES FRAME WITH GRATE, STD 840.22
196.8	M	750MM RC PIPE CULVERTS, CLASS III	16	EA	FRAME WITH TWO GRATES, STD 840.20
81.6	M	900MM RC PIPE CULVERTS, CLASS III	129	EA	FRAME WITH TWO GRATES, STD
36	M	1050MM RC PIPE CULVERTS, CLASS III	1	EA	840.22 CONCRETE APRON FOR DROP INLETS
133.2	M	1200MM RC PIPE CULVERTS, CLASS III	1,230 1	M EA	SHOULDER BERM GUTTER MODIFIED CONCRETE FLUME
4.8	M	1500MM RC PIPE CULVERTS, CLASS III	32	M2	100MM CONCRETE PAVED DITCH
10.2	M	1650MM RC PIPE CULVERTS, CLASS III	350	M2	125MM MONOLITHIC CONCRETE IS- LANDS (SURFACE MOUNTED)
169.8	M	400MM BIT COAT CS PIPE CUL-	2,781.3 22.86	M M	STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP
20.4	M	VERTS, TYPE B 1.63MM THICK 450MM BIT COAT CS PIPE CUL-	22.00	141	CURVED
		VERTS, TYPE B 1.63MM THICK	20.528	M	TRIPLE CORRUGATED STEEL BM GUARDRAIL
27	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	242.3	M	508MM TUBULAR TRIPLE CORRUGA- TED STEEL BM GUARDRAIL
90.4	M	****MM WELDED STEEL PIPE, ****MM THICK, GRADE B, INSTAL-	8	EA	W-TR STEEL BM GUARDRAIL TRAN-
		LED BY BORING & JACKING	10	г.	SITION SECTIONS
22.0		(600MM, 6.35MM)	10	EA EA	ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE
22.8	M	****MM WELDED STEEL PIPE, ****MM THICK, GRADE B, INSTAL-	·		AT-1
		LED BY BORING & JACKING	14	EA	GUARDRAIL ANCHOR UNITS, TYPE
731.12	M	(750MM, 7.92MM) PIPE REMOVAL	5	EA	CAT-1 GUARDRAIL ANCHOR UNITS, TYPE
3	EA	PIPE CLEAN-OUT	3	2.71	III
Lump Sum	LS	FINE GRADING	15	EA	GUARDRAIL ANCHOR UNITS, TYPE
105,285	M2	LIME TREATED SOIL (SLURRY METHOD)	8	EA	350 GUARDRAIL ANCHOR UNITS, TYPE
1,220	MTN	LIME FOR LIME TREATED SOIL			M-350
600	MTN		1,030	M	REMOVE EXISTING GUARDRAIL
75,300		AGGREGATE BASE COURSE	23,434	M	WOVEN WIRE FENCE, 1200MM FAB- RIC
45,122	M2	***MM SOIL CEMENT BASE (180MM)	5,059	EA	100MM TIMBER FENCE POSTS,
1,360	MTN	PORTLAND CEMENT FOR SOIL CE- MENT BASE	854	EA	2.30M LONG 125MM TIMBER FENCE POSTS,
310	MTN	AGGREGATE FOR SOIL CEMENT BASE	2.242	M	2.50M LONG
102,350	L	ASPHALT CURING SEAL	2,343 887.5	M MTN	ADDITIONAL BARBED WIRE PLAIN RIP RAP, CLASS I
	MTN	INCIDENTAL STONE BASE	1,865.2	MTN	PLAIN RIP RAP, CLASS B
39,000	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	7,559	M2	FILTER FABRIC FOR DRAINAGE
			9	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON

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			100	MTN	FERTILIZER TOPDRESSING
			0.3	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD FESCUE/BLUEGRASS)
49	MTN	GENERIC EROSION CONTROL ITEM	16	HR	SPECIALIZED HAND MOWING
		BOULDERS (0.9M LENGTH)	24	EA	RESPONSE FOR EROSION CONTROL
84	MTN	GENERIC EROSION CONTROL ITEM FOOTER ROCKS (0.9M LENGTH)	12	HA	REFORESTATION
2	М3	REINFORCED CONCRETE SIGN FOOT-	720	M	GENERIC EROSION CONTROL ITEM
		INGS	270		SAFETY FENCE
2	M3	PLAIN CONCRETE SIGN FOOTINGS	270 10	M EA	SIGNAL CABLE VEHICLE SIGNAL HEAD (300MM, 3
927	KG	SUPPORTS, BREAKAWAY STEEL BEAM	10	LA	SECTION)
488 1,251	KG M	SUPPORTS, SIMPLE STEEL BEAM SUPPORTS, 4.5KG STEEL	180	M	MESSENGER CABLE (9.52MM)
1,231	IVI	U-CHANNEL	250	M	TRENCHING (UNPAVED)
11	EA	SIGN ERECTION, TYPE D	8	EA	JUNCTION BOX (STANDARD SIZE)
198	EA	SIGN ERECTION, TYPE E	270	M	INDUCTIVE LOOP SAWCUT
19	EA	SIGN ERECTION, TYPE F	645	M	LEAD-IN CABLE
6	EA	SIGN ERECTION, TYPE ***	4	EA EA	METAL STRAIN SIGNAL POLE SOIL TEST
		(GROUND MOUNTED) (A)	18	M	DRILLED PIER FOUNDATION (***MM
3	EA	SIGN ERECTION, TYPE ***			DIA)
		(GROUND MOUNTED)			(1067MM)
4	EA	(B) RELOCATE SIGN, TYPE *****	1	EA	SIGNAL CABINET FOUNDATION
4	LA	(D)	1	EA EA	CABINET BASE ADAPTER CONTROLLER WITH CABINET (TYPE
1	EA	DISPOSAL OF SIGN SYSTEM, STEEL	1	LA	2070L, BASE MOUNTED)
		BEAM	5	EA	DETECTOR CARD (TYPE 2070L)
143	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL			
2	EA	FLASHING ARROW PANELS, TYPE C			
6	EA	WARNING FLAG SETS			STRUCTURE ITEMS
400	EA	DRUMS			
107	EA	CONES			
408	M	BARRICADES (TYPE III)	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, &
1,440	HR	FLAGGER			REMOVAL OF TEMP ACCESS AT STA *************
2 2	EA EA	WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA			(22+83.400-L-)
2	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH)	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, &
42	M2	GENERIC TRAFFIC CONTROL ITEM			REMOVAL OF TEMP ACCESS AT STA
		WORK ZONE SIGNS FLUORESCENT			(97+00.000-L-)
		ORANGE SHEETING (BARRICADE MOUNTED)	17.1	M	1066MM DIA DRILLED PIERS IN
19	M2	GENERIC TRAFFIC CONTROL ITEM			SOIL
		WORK ZONE SIGNS FLUORESCENT	12.5	M	1220MM DIA DRILLED PIERS IN SOIL
		ORANGE SHEETING (PORTABLE)	13.4	M	1066MM DIA DRILLED PIERS NOT
136	M2	GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT	13		IN SOIL
		ORANGE SHEETING (STATIONARY)	16.1	M	1220MM DIA DRILLED PIERS NOT
4,373	EA	TEMPORARY RAISED PAVEMENT			IN SOIL
40.424		MARKERS THERMORI A STEE BANKENENT MARKENE	15.2	M	PERMANENT STEEL CASING FOR 1066MM DRILLED PIER
48,424	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)	13	M	PERMANENT STEEL CASING FOR
7,451	M	THERMOPLASTIC PAVEMENT MARKING			1220MM DRILLED PIER
		LINES (100MM, 3.1MM)	4	EA	CROSSHOLE SONIC LOGGING
4,936	M	THERMOPLASTIC PAVEMENT MARKING	263	M	CSL TUBES
223	M	LINES (200MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING	1,157 1,155	M2 M2	REINFORCED CONCRETE DECK SLAB GROOVING BRIDGE FLOORS
223		LINES (600MM, 3.1MM)	174.9	M3	CLASS A CONCRETE (BRIDGE)
181	EA	THERMOPLASTIC PAVEMENT MARKING	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
240.757	м	SYMBOL (2.3MM) PAINT PAVEMENT MARKING LINES			********
249,757	M	(100MM)	Lump Sum	LS	(22+83.400-L-) BRIDGE APPROACH SLABS, STATION
19,744	M	PAINT PAVEMENT MARKING LINES	Lump Sum	Lo	*********
		(200MM)			(97+00.000-L-)
1,018	M	PAINT PAVEMENT MARKING LINES (600MM)	24,640	KG	REINFORCING STEEL (BRIDGE)
784	EA	PAINT PAVEMENT MARKING SYMBOL	3,336	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,875	M	REMOVAL OF PAVEMENT MARKING	143.4	M	914MM PRESTRESSED CONCRETE
		LINES (100MM)			GIRDERS
1,552	EA	SNOWPLOWABLE RAISED PAVEMENT	241.952	M	1372MM PRESTRESSED CONCRETE
1,575	M	MARKERS TEMPORARY SILT FENCE	167	м	GIRDERS HP310X79 STEEL PILES
1,150	MTN	STONE FOR EROSION CONTROL,	30	M EA	STEEL PILE POINTS
-,		CLASS A	196.51	M	CONCRETE BARRIER RAIL
11,500	MTN	STONE FOR EROSION CONTROL,	681	MTN	PLAIN RIP RAP CLASS II (600MM
4,500	MTN	CLASS B SEDIMENT CONTROL STONE			THICK)
4,300	HA	TEMPORARY MULCHING	694	M2	FILTER FABRIC FOR DRAINAGE
2,500	KG	SEED FOR TEMPORARY SEEDING	Lump Sum	LS LS	ELASTOMERIC BEARINGS EVAZOTE JOINT SEALS
20	MTN	FERTILIZER FOR TEMPORARY SEED-	Lump Sum	ப	LIMEOTE JOINT SEALS
		ING			
300	M	TEMPORARY SLOPE DRAINS			
29	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS			
44,000	М3	SILT EXCAVATION			
12,000	M2	SYNTHETIC ROVING			
15,000	M2	MATTING FOR EROSION CONTROL			
750	M	6.4MM HARDWARE CLOTH			
15	EA	SPECIAL STILLING BASINS			
58	HA	SEEDING & MULCHING			

31 HA MOWING

675 KG SEED FOR REPAIR SEEDING
2.25 MTN FERTILIZER FOR REPAIR SEEDING
1,650 KG SEED FOR SUPPLEMENTAL SEEDING

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L040921 013

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID : C201282 34481.3.2 **DIV OFFICE ABERDEEN LENGTH = 19.561 KM**

COUNTY : CHATHAM

GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.

MBE GOAL 9.0% WBE 7.0% COMPLETION DATE: DEC 31 2007

US-421 FROM SOUTH OF SR-1007 (PLANK RD) AT GULF TO NORTH OF SR-1010 (GLADSTONE-PITTSBORO RD).

		ROADWAY ITEMS	981.22	M	PIPE REMOVAL
			3	EA	PIPE CLEAN-OUT
Lump Sum	LS	MOBILIZATION	Lump Sum 158,187	LS M2	FINE GRADING LIME TREATED SOIL (SLURRY
Lump Sum	LS	CONSTRUCTION SURVEYING			METHOD)
Lump Sum	LS	FIELD OFFICE	1,820	MTN	LIME FOR LIME TREATED SOIL
Lump Sum	LS	CLEARING & GRUBBING HEC-	55	MTN	#57 STONE
_		TARE(S)	1,100	MTN	STABILIZER AGGREGATE
2	HA	SUPPLEMENTARY CLEARING & GRUB-	124,400	MTN	AGGREGATE BASE COURSE
		BING	80,390	M2	***MM SOIL CEMENT BASE
297,100	M3	UNCLASSIFIED EXCAVATION	2.420	MTN	(180MM) PORTLAND CEMENT FOR SOIL CE-
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION *********	2,430	IVIIIN	MENT BASE
		(18+04.666)	790	MTN	AGGREGATE FOR SOIL CEMENT BASE
Lump Sum	LS	REINFORCED BRIDGE APPROACH	162,350	L	ASPHALT CURING SEAL
		FILL, STATION ********	500	MTN	INCIDENTAL STONE BASE
		(22+83.346-L-)	19,800	M2	MILLING ASPHALT PAVEMENT, **MM
Lump Sum	LS	REINFORCED BRIDGE APPROACH			DEPTH
		FILL, STATION ************************************	4.650		(60MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH	1,650	M2	INCIDENTAL MILLING
Lump Jum	Lo	FILL, STATION *********	380	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
		(97+00.000-L-)	60,300	MTN	ASPHALT CONC BASE COURSE, TYPE
26,959	M3	UNDERCUT EXCAVATION	00,500	WIIIN	B25.0C
650	MTN	CLASS IV SUBGRADE STABILIZA-	2,689	MTN	ASPHALT CONC INTERMEDIATE
422.000		TION			COURSE, TYPE I19.0B
433,000	M3	BORROW EXCAVATION	50,300	MTN	ASPHALT CONC INTERMEDIATE
4,966	M3	DRAINAGE DITCH EXCAVATION			COURSE, TYPE I19.0C
745	M	BERM DITCH CONSTRUCTION	2,880	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
20,500	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	55,260	MTN	ASPHALT CONC SURFACE COURSE,
61	HR	PROOF ROLLING	55,200	WIIIN	TYPE S9.5C
1,500	M3	SELECT GRANULAR MATERIAL	106	MTN	ASPHALT CONC SURFACE COURSE,
2,500	M2	FABRIC FOR SOIL STABILIZATION			TYPE SF9.5A
2,690	MTN	FOUNDATION CONDITIONING MATE-	5,281	MTN	ASPHALT BINDER FOR PLANT MIX,
		RIAL, MINOR STRS			GRADE PG 64-22
82.8	M	375MM SIDE DRAIN PIPE	3,316	MTN	ASPHALT BINDER FOR PLANT MIX,
25.2	M	450MM SIDE DRAIN PIPE	277	MTN	GRADE PG 70-22 ASPHALT PLANT MIX PAVEMENT
6	M	600MM SIDE DRAIN PIPE	211	WIIIN	REPAIR
4,382.4	M	375MM RC PIPE CULVERTS, CLASS	36,840	M	MILLED RUMBLE STRIPS
2 205 (M	III	994	M3	SUBDRAIN EXCAVATION
2,205.6	M	450MM RC PIPE CULVERTS, CLASS III	497	M3	SUBDRAIN FINE AGGREGATE
777.6	M	600MM RC PIPE CULVERTS, CLASS	1,200	M	150MM PERFORATED SUBDRAIN PIPE
		III	120	EA	150MM SUBDRAIN PIPE WYES,
296.4	M	750MM RC PIPE CULVERTS, CLASS	_		TEES, & ELBOWS
		III	9	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
105.6	M	900MM RC PIPE CULVERTS, CLASS III	18	M	150MM OUTLET PIPE (SUBDRAINS)
36	M	1050MM RC PIPE CULVERTS, CLASS	3,900	M	SHOULDER DRAIN
		III	3,900	M	100MM SHOULDER DRAIN PIPE
133.2	M	1200MM RC PIPE CULVERTS, CLASS	150	M	100MM OUTLET PIPE (SHOULDER
		III			DRAINS)
15.6	M	1500MM RC PIPE CULVERTS, CLASS	18	EA	CONCRETE PAD FOR SHOULDER
10.2		III			DRAIN PIPE OUTLET
10.2	M	1650MM RC PIPE CULVERTS, CLASS III	45	MTN	BLOTTING SAND
21.6	M	1800MM RC PIPE CULVERTS, CLASS	9.2	M3	ENDWALLS
		III	14 29.98	M3 M3	REINFORCED ENDWALLS PIPE COLLARS
30	M	****MM RC PIPE CULVERTS, CLASS	43.46	M3	FLOWABLE FILL
		IV	218	EA	MASONRY DRAINAGE STRUCTURES
70.0		(375MM)	10.44	M	MASONRY DRAINAGE STRUCTURES
70.8	M	****MM RC PIPE CULVERTS, CLASS IV	3	EA	FRAME WITH GRATE, STD 840.22
		(600MM)	2	EA	FRAME WITH TWO GRATES, STD
281.4	M	400MM BIT COAT CS PIPE CUL-	-	23.1	840.16
		VERTS, TYPE B 1.63MM THICK	25	EA	FRAME WITH TWO GRATES, STD
42	M	450MM BIT COAT CS PIPE CUL-			840.20
20	E.4	VERTS, TYPE B 1.63MM THICK	186	EA	FRAME WITH TWO GRATES, STD
39	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	2	E.	840.22
4	EA	450MM BIT COAT CS PIPE ELBOWS,	2	EA	FRAME WITH TWO GRATES, STD 840.24
	2	TYPE B 1.63MM THICK	1	EA	FRAME WITH GRATE & HOOD, STD
90.4	M	****MM WELDED STEEL PIPE,	•	-	840.03, TYPE **
		****MM THICK, GRADE B, INSTAL-			(E)
		LED BY BORING & JACKING (600MM, 6.35MM)	1	EA	FRAME WITH GRATE & HOOD, STD
22.8	M	****MM WELDED STEEL PIPE,			840.03, TYPE ** (F)
22.6	141	****MM THICK, GRADE B, INSTAL-	1	EA	FRAME WITH GRATE & HOOD, STD
		LED BY BORING & JACKING			840.03, TYPE **
		(750MM, 7.92MM)			(G)

			1,952	HR	FLAGGER
			4	EA EA	WARNING LIGHTS (TYPE B) TRUCK MOUNTED IMPACT ATTENUA-
3	EA	FRAME WITH COVER, STD 840.54	55	M2	TOR (60 MPH) GENERIC TRAFFIC CONTROL ITEM
1 215	EA M	CONCRETE APRON FOR DROP INLETS 750MM CONCRETE CURB & GUTTER			WORK ZONE SIGNS FLUORESCENT ORANGE SHEETING (BARRICADE
2,130	M	SHOULDER BERM GUTTER	20		MOUNTED)
2 145	EA M	MODIFIED CONCRETE FLUME CONCRETE EXPRESSWAY GUTTER	38	M2	GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS FLUORESCENT
49	M2	100MM CONCRETE PAVED DITCH	225	M2	ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM
1,090	M2	125MM MONOLITHIC CONCRETE IS- LANDS (SURFACE MOUNTED)	223	IVIZ	WORK ZONE SIGNS FLUORESCENT
73	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	7,596	EA	ORANGE SHEETING (STATIONARY) TEMPORARY RAISED PAVEMENT
1	EA	ADJUSTMENT OF CATCH BASINS	80.010	M	MARKERS THERMOPLASTIC PAVEMENT MARKING
1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	80,010	IVI	LINES (100MM, 2.3MM)
4	EA	CONVERT EXISTING CATCH BASIN	12,987	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
10	EA	TO JUNCTION BOX CONVERT EXISTING CATCH BASIN	7,792	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
1	EA	TO DROP INLET CONVERT EXISTING DROP INLET TO	339	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
4	EA	JUNCTION BOX IMPACT ATTENUATOR UNIT, TYPE	4	EA	THERMOPLASTIC PAVEMENT MARKING
-		350	263	EA	CHARACTER (3.1MM) THERMOPLASTIC PAVEMENT MARKING
6,198.87 125.73	M M	STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP	415,166	M	SYMBOL (2.3MM) PAINT PAVEMENT MARKING LINES
41.056	M	CURVED TRIPLE CORRUGATED STEEL BM			(100MM)
		GUARDRAIL	31,168	M	PAINT PAVEMENT MARKING LINES (200MM)
478.22	M	508MM TUBULAR TRIPLE CORRUGA- TED STEEL BM GUARDRAIL	1,562	M	PAINT PAVEMENT MARKING LINES (600MM)
16	EA	W-TR STEEL BM GUARDRAIL TRAN- SITION SECTIONS	24	EA	PAINT PAVEMENT MARKING CHARACTER
20	EA	ADDITIONAL GUARDRAIL POSTS	1,140	EA	PAINT PAVEMENT MARKING SYMBOL
9	EA	GUARDRAIL ANCHOR UNITS, TYPE ************************************	2,075	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
3	EA	(B-77) GUARDRAIL ANCHOR UNITS, TYPE	2,831	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
27	EA	AT-1 GUARDRAIL ANCHOR UNITS, TYPE	4,025	M	TEMPORARY SILT FENCE
13	EA	CAT-1	1,650	MTN	STONE FOR EROSION CONTROL, CLASS A
		GUARDRAIL ANCHOR UNITS, TYPE III	21,000	MTN	STONE FOR EROSION CONTROL, CLASS B
26	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	8,675 97	MTN HA	SEDIMENT CONTROL STONE
16	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	4,450	KG	TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING
3,458	M	REMOVE EXISTING GUARDRAIL	36	MTN	FERTILIZER FOR TEMPORARY SEED- ING
37,901	M	WOVEN WIRE FENCE, 1200MM FAB- RIC	725	M	TEMPORARY SLOPE DRAINS
8,149	EA	100MM TIMBER FENCE POSTS, 2.30M LONG	57	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
1,446	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	77,525 19,500	M3 M2	SILT EXCAVATION SYNTHETIC ROVING
3,790	M	ADDITIONAL BARBED WIRE	26,050	M2	MATTING FOR EROSION CONTROL
980.5		PLAIN RIP RAP, CLASS I	910	M2	PERMANENT SOIL REINFORCEMENT
		PLAIN RIP RAP, CLASS A PLAIN RIP RAP, CLASS B	1,875	M	MAT 6.4MM HARDWARE CLOTH
		BOULDERS	125	M	***MM TEMPORARY PIPE
13,962.3	M2	FILTER FABRIC FOR DRAINAGE	80	М3	(600MM) STILLING BASINS
9	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	80 15	EA	SPECIAL STILLING BASINS
49	MTN	GENERIC EROSION CONTROL ITEM	104	HA	SEEDING & MULCHING
		BOULDERS (0.9M LENGTH)	54	HA	MOWING
84	MTN	GENERIC EROSION CONTROL ITEM FOOTER ROCKS (0.9M LENGTH)	1,175 4.25	KG MTN	SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING
5	M3	REINFORCED CONCRETE SIGN FOOT-	2,950	KG	SEED FOR SUPPLEMENTAL SEEDING
3	M2	INGS PLAIN CONCRETE SIGN FOOTINGS	180	MTN	FERTILIZER TOPDRESSING
1,948	M3 KG	SUPPORTS, BREAKAWAY STEEL BEAM	0.7	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD
1,233	KG	SUPPORTS, SIMPLE STEEL BEAM			FESCUE/BLUEGRASS)
2,129	M	SUPPORTS, 4.5KG STEEL	15	M	IMPERVIOUS DIKE
10	Ε.	U-CHANNEL	36	HR	SPECIALIZED HAND MOWING
18 340	EA EA	SIGN ERECTION, TYPE D SIGN ERECTION, TYPE E	40	EA	RESPONSE FOR EROSION CONTROL
33	EA	SIGN ERECTION, TYPE F	3 19.5	EA HA	ROOTWADS REFORESTATION
12	EA	SIGN ERECTION, TYPE ***	0.13	HA	STREAMBANK REFORESTATION
		(GROUND MOUNTED) (A)	1,440	M	GENERIC EROSION CONTROL ITEM
9	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)	270	M	SAFETY FENCE SIGNAL CABLE
		(B)	10	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
4	EA	RELOCATE SIGN, TYPE ***** (D)	180	M	MESSENGER CABLE (9.52MM)
3	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	250 8	M EA	TRENCHING (UNPAVED) JUNCTION BOX (STANDARD SIZE)
244	EA	DISPOSAL OF SIGN SYSTEM, U-	270	M	INDUCTIVE LOOP SAWCUT
		CHANNEL	645	M	LEAD-IN CABLE
4 48	EA EA	FLASHING ARROW PANELS, TYPE C WARNING FLAG SETS	4	EA	METAL STRAIN SIGNAL POLE
653	EA	DRUMS	4	EA M	SOIL TEST DRILLED PIER FOUNDATION (***MM
214	EA	CONES	10		DIA)
648	M	BARRICADES (TYPE III)			(1067MM)

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- 1 EA SIGNAL CABINET FOUNDATION
- EA CABINET BASE ADAPTER
- CONTROLLER WITH CABINET (TYPE 1 EA
- 2070L, BASE MOUNTED) 5
- EA DETECTOR CARD (TYPE 2070L)

CULVERT ITEMS

- CULVERT EXCAVATION, STA ***** Lump Sum LS
 - (13+28.500-L-)
- LS CULVERT EXCAVATION, STA ***** Lump Sum
- (52+75.440-L-)
- Lump Sum CULVERT EXCAVATION, STA ***** (62+33.970-L-)
 - FOUNDATION CONDITIONING MATER-127 MTN
 - IAL, BOX CULVERT 188.8 M3 CLASS A CONCRETE (CULVERT)
 - 15,424 KG REINFORCING STEEL (CULVERT)
 - 3 MTN PLAIN RIP RAP, CLASS **

STRUCTURE ITEMS

- CONSTRUCTION, MAINTENANCE, & Lump Sum LS REMOVAL OF TEMP ACCESS AT STA
 - (22+83.400-L-)
- Lump Sum CONSTRUCTION, MAINTENANCE, &
 - REMOVAL OF TEMP ACCESS AT STA
 - (97+00.000-L-)
 - 112.4 M 1066MM DIA DRILLED PIERS IN SOIL
 - 1220MM DIA DRILLED PIERS IN 12.5 M SOIL
 - 1066MM DIA DRILLED PIERS NOT 56.4 M
 - 16.1 1220MM DIA DRILLED PIERS NOT M
 - IN SOIL
 - PERMANENT STEEL CASING FOR 1066MM DRILLED PIER 15.2 M
 - PERMANENT STEEL CASING FOR 13 Μ
 - 1220MM DRILLED PIER
 - 8 EA SID INSPECTION
 - 10 EA SPT TESTING
 - CROSSHOLE SONIC LOGGING 6 EA
 - 856.9 M CSL TUBES
- 2,385.6 M2 REINFORCED CONCRETE DECK SLAB
- 2,165.5 GROOVING BRIDGE FLOORS
- 419.5 CLASS A CONCRETE (BRIDGE) M3
- Lump Sum BRIDGE APPROACH SLABS, STATION ************ LS
 - (18+04.666-L-)
- BRIDGE APPROACH SLABS, STATION Lump Sum LS
 - (22+83.400-L-)
- Lump Sum LS BRIDGE APPROACH SLABS, STATION
 - (27+85.488-L-)
- BRIDGE APPROACH SLABS, STATION Lump Sum LS
 - (97+00.000-L-)
 - 63 649 REINFORCING STEEL (BRIDGE) KG
 - SPIRAL COLUMN REINFORCING 9,760 KG STEEL (BRIDGE)
 - 914MM PRESTRESSED CONCRETE
 - 143.4 Μ
 - 195.32 1143MM PRESTRESSED CONCRETE GIRDERS
 - 1372MM PRESTRESSED CONCRETE 241.952 M GIRDERS
 - 103,500 LS APPROX KG STRUCTURAL
 - STEEL
 - 565.5 HP310X79 STEEL PILES M
 - STEEL PILE POINTS 30 EA

THICK)

- CONCRETE BARRIER RAIL 405 798 M 2,030 M2 100MM SLOPE PROTECTION
- 681 MTN PLAIN RIP RAP CLASS II (600MM
- 694 M2 FILTER FABRIC FOR DRAINAGE
- Lump Sum LS ELASTOMERIC BEARINGS
- Lump Sum LS EVAZOTE JOINT SEALS

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L040921 014

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200907 33118.3.1 DIV OFFICE ABERDEEN LENGTH = 0.201 MI

COUNTY : RANDOLPH

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE: DEC 31 2005

BRIDGE OVER CARAWAY CREEK AND APPROACHES ON SR-1331.

ROADWAY ITEMS

Lump Sum LS MOBILIZATION

Lump Sum LS GENERIC MISCELLANEOUS ITEM ROADWAY CONSTRUCTION

STRUCTURE ITEMS

Lump Sum LS CONSTRUCTION OF SUPERSTRUCTURE

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L040921 015

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200959 33120.3.1 DIV OFFICE ABERDEEN LENGTH = 0.227 MI

COUNTY : RANDOLPH

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE: OCT 01 2005

BRIDGE OVER RICHLAND CREEK AND APPROACHES ON SR-2832.

ROADWAY ITEMS

3 TON FERTILIZER TOPDRESSING SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL

Lump Sum LS MOBILIZATION

UNCLASSIFIED EXCAVATION 13,600 CY REINFORCED BRIDGE APPROACH Lump Sum LS (17+97.50)

> 1 ACR SUPPLEMENTARY CLEARING & GRUB-BING

UNDERCUT EXCAVATION 700 CY

GRADING Lump Sum LS 100 TON CLASS IV SUBGRADE STABILIZA-

FABRIC FOR SOIL STABILIZATION 500 SY

15" SIDE DRAIN PIPE 148 LF

15" RC PIPE CULVERTS, CLASS 84 LF

15" BIT COAT CS PIPE CULVERTS, LF 64 TYPE B 0.064" THICK

2 EA 15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK

89 LF PIPE REMOVAL

PIPE CLEAN-OUT

180 TON AGGREGATE BASE COURSE

100 TON INCIDENTAL STONE BASE

PRIME COAT 66 GAL

ASPHALT CONC BASE COURSE, TYPE 600 TON B25.0B

400 TON ASPHALT CONC SURFACE COURSE,

TYPE SF9.5A TON ASPHALT BINDER FOR PLANT MIX, 52

GRADE PG 64-22 3 EA MASONRY DRAINAGE STRUCTURES

FRAME WITH TWO GRATES, STD EA 840 29

190 LF SHOULDER BERM GUTTER

GUARDRAIL ANCHOR UNITS, TYPE 4 EA

(350, WEATHERING STEEL)

GUARDRAIL ANCHOR UNITS, TYPE

(III, WEATHERING STEEL) GENERIC GUARDRAIL ITEM LF 350

STEEL BM GUARDRAIL (WEATHERING STEEL)

GENERIC GUARDRAIL ITEM ADDITIONAL GUARDRAIL POSTS EA (WEATHERING STEEL)

PLAIN RIP RAP, CLASS A 250 TON

10 TON PLAIN RIP RAP, CLASS B

FILTER FABRIC FOR DRAINAGE 160 SY

WORK ZONE SIGNS (STATIONARY) 192 SF WORK ZONE SIGNS (BARRICADE

57 SF MOUNTED)

6 EA WARNING FLAG SETS

BARRICADES (TYPE III) 60 LF

PAINT PAVEMENT MARKING LINES 10 200 LF

PERMANENT RAISED PAVEMENT 32 EA

TEMPORARY SILT FENCE 550 LF

TON STONE FOR EROSION CONTROL, 75 CLASS A

450 TON STONE FOR EROSION CONTROL,

CLASS B 150 TON SEDIMENT CONTROL STONE

ACR TEMPORARY MULCHING

SEED FOR TEMPORARY SEEDING 100 LB

FERTILIZER FOR TEMPORARY SEED-0.5 TON

ING

1.050 CY SILT EXCAVATION

1,200 SY MATTING FOR EROSION CONTROL

1/4" HARDWARE CLOTH 75 LF

3.5 ACR SEEDING & MULCHING

ACR MOWING 2

50 LB SEED FOR REPAIR SEEDING 0.25 TON FERTILIZER FOR REPAIR SEEDING

LB SEED FOR SUPPLEMENTAL SEEDING 75

STRUCTURE ITEMS Lump Sum LS (17+97.50-L-) Lump Sum LS REMOVAL OF EXISTING STRUCTURE AT STATION ******** (17+97.50-L-) FOUNDATION EXCAVATION FOR BENT Lump Sum LS Lump Sum LS (2, 17+97.50-L-) 61 LF PILE EXCAVATION IN SOIL 22 LF PILE EXCAVATION NOT IN SOIL UNCLASSIFIED STRUCTURE EXCAVA-675 TION 4 918 SF REINFORCED CONCRETE DECK SLAB 5,472 SF GROOVING BRIDGE FLOORS 158 CY CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION Lump Sum LS (17+97.50-L-) REINFORCING STEEL (BRIDGE) 29 244 LB 1,560 LB SPIRAL COLUMN REINFORCING STEEL (BRIDGE) 45" PRESTRESSED CONCRETE GIR-635.89 DERS HP12X53 STEEL PILES 190 STEEL PILE POINTS EA 309.85 LF ONE BAR METAL RAIL 1'-**"X *****" CONCRETE PARA-325.23 LF (1'-0" X 1'-6") 515 TON PLAIN RIP RAP CLASS II (2'-0" THICK) 570 SY FILTER FABRIC FOR DRAINAGE Lump Sum LS ELASTOMERIC BEARINGS Lump Sum LS EVAZOTE JOINT SEALS

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L040921 016

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200962 33230.3.1 DIV OFFICE ABERDEEN LENGTH = 0.208 MI

: RANDOLPH COUNTY

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE: NOV 15 2005

BRIDGE OVER BRUSH CREEK AND APPROACHES ON SR-2641.

ROADWAY ITEMS

HR SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL

Lump Sum LS MOBILIZATION

REINFORCED BRIDGE APPROACH Lump Sum LS FILL, STATION ******** (17+41.00)

Lump Sum LS GRADING

1 ACR SUPPLEMENTARY CLEARING & GRUB-

BING UNDERCUT EXCAVATION 300 CY

DRAINAGE DITCH EXCAVATION 90 CY

19 TON FOUNDATION CONDITIONING MATE-

RIAL, MINOR STRS

18" RC PIPE CULVERTS, CLASS 52 LF

LF 42" RC PIPE CULVERTS, CLASS

96

24 LF 15" BIT COAT CS PIPE CULVERTS,

TYPE B 0 064" THICK

PIPE REMOVAL 88 LF

130 TON AGGREGATE BASE COURSE

TON INCIDENTAL STONE BASE 50

100 GAL PRIME COAT

430 TON ASPHALT CONC BASE COURSE, TYPE B25 0B

350 TON ASPHALT CONC SURFACE COURSE,

TYPE SF9.5A 42 TON

ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22

EA MASONRY DRAINAGE STRUCTURES

FRAME WITH TWO GRATES, STD 1 EA

LF

15 SHOULDER BERM GUTTER STEEL BM GUARDRAIL 375 LF

ADDITIONAL GUARDRAIL POSTS 5 EA

4 EA GUARDRAIL ANCHOR UNITS, TYPE

GUARDRAIL ANCHOR UNITS. TYPE 6 EΑ

WOVEN WIRE FENCE, 47" FABRIC 900

4" TIMBER FENCE POSTS, 7'-6" 55 EA

LONG

25 EA 5" TIMBER FENCE POSTS, 8'-0" LONG

GENERIC FENCING ITEM THREE STRAND ELECTRIC FENCE 400 LF

(COMPLETE WITH POSTS)

35 TON PLAIN RIP RAP, CLASS B

FILTER FABRIC FOR DRAINAGE 960 SY

WORK ZONE SIGNS (STATIONARY) 96 SF

WORK ZONE SIGNS (BARRICADE 90 SF

30 EA DRUMS

BARRICADES (TYPE III) 96 LF

PAINT PAVEMENT MARKING LINES 17,600 LF

370 TEMPORARY SILT FENCE

75 TON STONE FOR EROSION CONTROL,

CLASS A

STONE FOR EROSION CONTROL, 325 TON

CLASS B

460 TON SEDIMENT CONTROL STONE

0.5 ACR TEMPORARY MULCHING

SEED FOR TEMPORARY SEEDING 50 LB FERTILIZER FOR TEMPORARY SEED-

TON 0.25

190 LF TEMPORARY SLOPE DRAINS

INLET PROTECTION AT TEMPORARY 6

EA

SLOPE DRAINS

835 CY SILT EXCAVATION

1,170 SY MATTING FOR EROSION CONTROL

16 EA SPECIAL STILLING BASINS

0.5 ACR SEEDING & MULCHING ACR MOWING 0.5

50 LB SEED FOR REPAIR SEEDING

0.25 TON FERTILIZER FOR REPAIR SEEDING

LB SEED FOR SUPPLEMENTAL SEEDING 50

0.25 TON FERTILIZER TOPDRESSING

STRUCTURE ITEMS

Lump Sum LS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA

(17+41 00-L-)

REMOVAL OF EXISTING STRUCTURE AT STATION ********** Lump Sum LS

(17+41.00-L-)

15 LF PILE EXCAVATION IN SOIL

PILE EXCAVATION NOT IN SOIL 15 LF

3'-6" DIA DRILLED PIERS IN SO 33 LF

3'-6" DIA DRILLED PIERS NOT IN 76 SOIL

15.2 PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER

CROSSHOLE SONIC LOGGING 2 EA

516 LF CSL TUBES

8,345 SF REINFORCED CONCRETE DECK SLAB

8,256 GROOVING BRIDGE FLOORS SF

CLASS A CONCRETE (BRIDGE) 138.7 CY

BRIDGE APPROACH SLABS, STATION Lump Sum LS

(17+41.00-L-)

30,075 LB REINFORCING STEEL (BRIDGE)

SPIRAL COLUMN REINFORCING 4.745 LB STEEL (BRIDGE)

45" PRESTRESSED CONCRETE GIR-1,164.17 LF

HP12X53 STEEL PILES

195 473.5 LF CONCRETE BARRIER RAIL

PLAIN RIP RAP CLASS II (2'-0" 535 TON

FILTER FABRIC FOR DRAINAGE

595 SY

ELASTOMERIC BEARINGS Lump Sum LS

Lump Sum LS EVAZOTE JOINT SEALS

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L040921 017

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200781 32899.3.2 DIV OFFICE WINSTON-SALEM LENGTH = 0.441 MI

COUNTY : **DAVIDSON**

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 15.0% COMPLETION DATE: NOV 01 2007

BRIDGES OVER SR-1242 & MICHAEL CREEK & APPROACHES ON US-29/64/70 & I-85 BUS NBL.

Lump Sum	GATE GATE AIN PIPE TEES, & BDRAIN PIPE AINS) TE COVERS GE S FRUCTURES FRUCTURES FRUCTURES FES, STD TES, STD
Lump Sum Lis	GATE AIN PIPE , TEES, & BDRAIN PIPE AINS) TE COVERS GE S FRUCTURES FRUCTURES FRUCTURES FES, STD TES, STD
Lump Sum	AIN PIPE 3, TEES, & BDRAIN PIPE AINS) TE COVERS GE S FRUCTURES FRUCTURES FRUCTURES FES, STD TES, STD
Limp Sum	ATTES, & BDRAIN PIPE AINS) TE COVERS GE S FRUCTURES FRUCTURES TES, STD TES, STD
1 ACR SUPPLEMENTARY CLEARING & GRUB- BING 2 5 6 5 5 5 5 5 5 5 5	BDRAIN PIPE AINS) TE COVERS GE S TRUCTURES FRUCTURES TES, STD TES, STD
15,000 CY	AINS) TE COVERS GE S FRUCTURES FRUCTURES FEES, STD TES, STD
Lump Sum	TE COVERS GE S TRUCTURES FRUCTURES TES, STD TES, STD
Lump Sum	TE COVERS GE S TRUCTURES FRUCTURES TES, STD TES, STD
SERIFFORCE APPROACH FILL, STATION FILL,	FRUCTURES FRUCTURES FRUCTURES FES, STD FES, STD
1,500 CY UNDERCUT EXCAVATION 2.36 CY PIPE COLLARS 96,000 CY BORROW EXCAVATION 0.32 CY PIPE PLUGS 25,500 CY DRAINAGE DITCH EXCAVATION 0.32 CY PIPE PLUGS 10,500 SY REMOVAL OF EXISTING ASPHALT 61 EA MASONRY DRAINAGE S 6,400 SY BREAKING OF EXISTING ASPHALT 7.4 LF MASONRY DRAINAGE S 6,400 SY BREAKING OF EXISTING ASPHALT 7.4 LF MASONRY DRAINAGE S 6,400 SY BREAKING OF EXISTING ASPHALT 7.4 LF MASONRY DRAINAGE S 6,400 SY FABRIC FOR SOIL STABILIZATION 7.4 EFRAME WITH TWO GRA' 840.20 SEFECT GRANULAR MATERIAL 1.4 EA FRAME WITH TWO GRA' 840.20 SEFECT GRANULAR MATERIAL 1.5 EA FRAME WITH TWO GRA' 840.21 SUPPORTED 7. EA FRAME WITH TWO GRA' 840.22 SUPPORTED 7. EA FRAME WITH GRATE & 840.24 SUPPORTED 8.0 EA FRAME WITH GRATE & 840.25 SUPPORTED 8.0 EA FRAME WITH GRATE & 840.26 SUPPORTED 8.0 EA FRAME WITH GRATE & 840.27 SUPPORTED 8.0 EA FRAME WITH GRATE & 840.28 SUPPORTED 8.0 EA FRAME WITH GRATE & 840.29 SUPPORTED 8.0 EA FRAME WITH GRATE & 840.30 STYPE ** (F) 1,000 TON SELECT MATERIAL, CLASS IV FRAME WITH GRATE & 840.31 STYPE ** (G) 1,000 TON SELECT MATERIAL, CLASS IV FRAME WITH GRATE & 840.31 STYPE ** (G) 1,000 TON FOUNDATION CONDITIONING MATE- STORE AND	TRUCTURES FRUCTURES FES, STD FES, STD
1,000 CY BORROW EXCAVATION 250 CY PIPP PLUGS	TRUCTURES TES, STD TES, STD
25,500 CY DRAINAGE DITCH EXCAVATION 250 CY FLOWABLE FILL	TRUCTURES TES, STD TES, STD
10,500 SY	TRUCTURES TES, STD TES, STD
PAVEMENT 7.4 LF	TES, STD
PAVEMENT \$40.20	TES, STD
1,000 SY FABRIC FOR SOIL STABILIZATION 840.22 3,200 SF TEMPORARY SHORING - BARRIER 1 EA FRAME WITH TWO GRA' \$40.24 1,125 SY GENERIC GRADING ITEM ROCK PLATING 7 EA FRAME WITH GRATE & I 840.03, TYPE ** (F) 1,000 TON SELECT MATERIAL, CLASS IV (F) 1,000 TON SELECT MATERIAL, CLASS IV (F) 1,000 TON FOUNDATION CONDITIONING MATE-RIAL, MINOR STRS 1 EA FRAME WITH GRATE & I 840.03, TYPE ** (G) 2,612 LF IS" RC PIPE CULVERTS, CLASS 1 EA FRAME WITH COVER, SI III 1,204 LF IS" RC PIPE CULVERTS, CLASS 2 EA STEEL FRAME WITH TW STD \$840.37 1,204 LF IS" RC PIPE CULVERTS, CLASS 2 EA STEEL FRAME WITH TW STD \$840.37 1,204 LF 30" RC PIPE CULVERTS, CLASS 5,556 SY GENERIC DRAINAGE ITE FABRIC FOR TEMPORAR WALL, TYPE III 420 LF 30" RC PIPE CULVERTS, CLASS 16,667 SY GENERIC DRAINAGE ITE FABRIC FOR TEMPORAR WALL, TYPE III 421 EA **" X **" X **" X **" RC PIPE TEES, CLASS III (IS" X IS" X IS") 2,300 CY SELECT GRANULAR MA TEMPORAR WALL, TYPE III 422 LF 15" BIT COAT CS PIPE CULVERTS, THICK 3,000 LF 2-6" CONCRETE CURB & WALL, TYPE B 0.064" THICK 3,000 LF CONCRETE EVERSWARD 444 LF 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 3,000 LF CONCRETE EXPRESSWARD 454 LF 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 3,000 LF CONCRETE DRIVEWARD 455 LF 18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 3,000 LF CONCRETE DRIVEWARD 455 LF 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 3,000 LF CONCRETE DRIVEWARD 456 LF 18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 3,000 LF SHOULDER BERM GULT 457 LF 2" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 3,000 LF CONCRETE DRIVEWARD 457 LF 2" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 3,000 LF CONCRETE PAPED DID 457 BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 3,000 LF CONCRETE PAPED DID 457 BIT COAT CS PI	
1	
SUPPORTED \$40.24	
1,125 ST GENERIC GRAING TENT St.	
1,000 10N SELECT MATERIAL, CLASS IV 560 TON FOUNDATION CONDITIONING MATE-RIAL, MINOR STRS 2	IOOD, STD
2,612	IOOD, STD
1,204	
1,204	
DROP INLET	
420	
64 LF 60" RC PIPE CULVERTS, CLASS III 1 EA ***" X **" X **" RC PIPE TEES, CLASS III (18" X 18" X 15") 56 LF 18" CS PIPE CULVERTS, 0.064" THICK 444 LF 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 70 LF 18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 71 LF 72" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 72 LF 72" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 73 SY 6" CONCRETE EXPRESSWA 74 LF 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	
CLASS III (18" X 18" X 15") 2,300 CY SELECT GRANULAR MA TEMPORARY FABRIC W. 3,000 LF 2'-6" CONCRETE CURB & THICK 444 LF 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 70 LF 18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 172 LF 172" BIT COAT CS PIPE CULVERTS, TYPE B 0.138" THICK 170 CONCRETE PAVED DI 171 LF 172 LF 172" BIT COAT CS PIPE CULVERTS, TYPE B 0.138" THICK 170 CONCRETE CONCRETE CONCRETE PAVED DI 171 LF 172" BIT COAT CS PIPE CULVERTS, TYPE B 0.138" THICK	
Solution	
444 LF 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 3,200 LF CONCRETE EXPRESSWA 70 LF 18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK 35 SY 6" CONCRETE DRIVEWA 6" CONCRETE DRIVEWA 225 SY 4" CONCRETE PAVED DI	
70	
TYPE B 0.064" THICK TYPE B 0.064" THICK 225 SY 4" CONCRETE PAVED DI 172 LF 72" BIT COAT CS PIPE CULVERTS, TYPE B 0.138" THICK 125 SY 5" MONOLITHIC CONCRI (KEYED IN)	
172 LF 72" BIT COAT CS PIPE CULVERTS, TYPE B 0.138" THICK 125 SY 5" MONOLITHIC CONCRI	
TYPE B 0.138" THICK (KEYED IN)	
18 EA 15" BIT COAT CS PIPE ELBOWS 1,727 EF CONCRETE DARRIER, IT	
TYPE B 0.064" THICK (TYPE III, DOUBLE FACE	D)
YPE B 0.064" THICK SECTION	
216 LF **" WELDED STEEL PIPE, *****" THICK, GRADE B, INSTALLED BY 650 LF PRECAST REINFORCED (BARRIER, SINGLE FACE))
BORING & JACKING 1 EA ADJUSTMENT OF CATCH (72", 1.000") 5 EA ADJUSTMENT OF METER	
2,575 LF PIPE REMOVAL 5 EA ADJUSTMENT OF METER VALVE BOXES	. BOXES OR
260 SY 6" SLOPE PROTECTION 5,925 LF STEEL BM GUARDRAIL	
Lump Sum LS FINE GRADING 375 LF STEEL BM GUARDRAIL,	SHOP
1,850 TON AGGREGATE BASE COURSE CURVED	
100 TON INCIDENTAL STONE BASE 5 EA ADDITIONAL GUARDRA	L POSTS
5,400 TON ASPHALT CONC BASE COURSE, TYPE 3 EA GUARDRAIL ANCHOR U 825.0B ************************************	NITS, TYPE
10,600 TON ASPHALT CONC BASE COURSE, TYPE B25.0C (BP) 3 EA GUARDRAIL ANCHOR U	NITS, TYPE
4,650 TON ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B (III MOD)	
4,900 TON ASPHALT CONC INTERMEDIATE 2 EA GUARDRAIL ANCHOR U COURSE, TYPE II9.0C 2 EA GUARDRAIL ANCHOR U	
3,500 TON ASPHALT CONC SURFACE COURSE, TYPE S9.5B (NJ-25) 2 EA GUARDRAIL ANCHOR U	NITS, TYPE
4,900 TON ASPHALT CONC SURFACE COURSE, TYPE S12.5C AT-1 2 EA GUARDRAIL ANCHOR U	
1,365 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 CAT-1 4 EA GUARDRAIL ANCHOR U	NITS, TYPE
270 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	NITS, TYPE

			290	LF	8" DI WATER PIPE, PC 350
			244 65	LF LF	12" DI WATER PIPE, PC 350 **" DI RESTRAINED JOINT WATER
6	EA	GUARDRAIL ANCHOR UNITS, TYPE	03	LI	PIPE, CLASS ***********************************
1	EA	350 GUARDRAIL ANCHOR UNITS, TYPE	1,075	LB	DI RESTRAINED JOINT WATER PIPE FITTINGS, 250# MIN WP
3,703.5	LF	B-77 REMOVE EXISTING GUARDRAIL	2,490	LB	DUCTILE IRON WATER PIPE FIT-
425	TON	PLAIN RIP RAP, CLASS I	2	EA	TINGS, 250# MIN WP 6" GATE VALVE & VALVE BOX,
10 230	TON TON	PLAIN RIP RAP, CLASS A PLAIN RIP RAP, CLASS B	2	EA	200# WP RELOCATE EXISTING FIRE HYDRANT
3,990	SY CY	FILTER FABRIC FOR DRAINAGE	757.12	LF	**" DI SEWER PIPE, PC ****
1,015	LB	PLAIN CONCRETE SIGN FOOTINGS SUPPORTS, BREAKAWAY STEEL BEAM	549.06	LF	(16", 350) 8" DI SEWER PIPE, PC 350
464 847	LB LF	SUPPORTS, SIMPLE STEEL BEAM SUPPORTS, 3-LB STEEL U-CHANNEL	383.71 8	LF EA	10" DI SEWER PIPE, PC 350
4	EA	SIGN ERECTION, TYPE D			4' DIA PRECAST CONC SEWER MAN- HOLE 0-6' DEPTH
18 9	EA EA	SIGN ERECTION, TYPE E SIGN ERECTION, TYPE F	2	EA	5' DIA PRECAST CONC SEWER MAN- HOLE 0-6' DEPTH
4	EA	SIGN ERECTION, TYPE ***	72	LF	PRECAST CONC MANHOLE WALL, *' DIA, OVER 6' HT
		(GROUND MOUNTED) (A)	10		(4')
1	EA	RELOCATE SIGN, TYPE ***** (E)	19	LF	PRECAST CONC MANHOLE WALL, *' DIA, OVER 6' HT
82	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	171	LF	(5') FILL OR REMOVE ABANDONED **"
5	EA	DISPOSAL OF SIGN SYSTEM, WOOD			PIPE, ***************************(10", DI SEWER)
1 3,729	EA SF	DISPOSAL OF SIGN, D, E OR F WORK ZONE SIGNS (STATIONARY)	215	LF	FILL OR REMOVE ABANDONED 12" PIPE, *********
544	SF	WORK ZONE SIGNS (PORTABLE)	670	T.E.	(DI WATER)
137	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	679	LF	FILL OR REMOVE ABANDONED 16" PIPE, *********
2 2	EA EA	FLASHING ARROW PANELS, TYPE C CHANGEABLE MESSAGE SIGNS	6	EA	(DI SEWER) BREAK DOWN, PLUG, & FILL ABAN-
250	EA	DRUMS			DONED UTILITY MANHOLE
60 220	EA LF	CONES BARRICADES (TYPE III)	3	EA	BREAK DOWN & REBUILD EXISTING MANHOLE
3,600	HR	FLAGGER	40	LF	GENERIC UTILITY ITEM 10" DI RESTRAINED JOINT SEWER
6	EA EA	WARNING LIGHTS (TYPE B) TEMPORARY CRASH CUSHIONS	40	LF	PIPE, PC 350 GENERIC UTILITY ITEM
6	EA	RESET TEMPORARY CRASH CUSHIONS	40	LI	16" DI RESTRAINED JOINT SEWER
2	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH)	4,745	LF	PIPE, PC 350 TEMPORARY SILT FENCE
2,920	LF	PORTABLE CONCRETE BARRIER	400	TON	STONE FOR EROSION CONTROL, CLASS A
1,410	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	3,845	TON	STONE FOR EROSION CONTROL,
1,900	LF	RESET PORTABLE CONCRETE BAR- RIER	1,915	TON	CLASS B SEDIMENT CONTROL STONE
1,320	LF	RESET PORTABLE CONCRETE BAR- RIER (ANCHORED)	4	ACR	TEMPORARY MULCHING
874	LF	REMOVABLE TAPE PAVEMENT MARK-	100 0.5	LB TON	SEED FOR TEMPORARY SEEDING FERTILIZER FOR TEMPORARY SEED-
356	EA	ING LINES (4") TEMPORARY RAISED PAVEMENT	600	LF	ING TEMPORARY SLOPE DRAINS
14,287	LF	MARKERS THERMOPLASTIC PAVEMENT MARKING	17	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
10,416	LF	LINES (4", 90 MILS) THERMOPLASTIC PAVEMENT MARKING	11,175 5,775	CY SY	SILT EXCAVATION MATTING FOR EROSION CONTROL
1,346	LF	LINES (4", 120 MILS) THERMOPLASTIC PAVEMENT MARKING	2,200	SY	COIR FIBER MAT
454	LF	LINES (8", 90 MILS) THERMOPLASTIC PAVEMENT MARKING	500	SY	PERMANENT SOIL REINFORCEMENT MAT
8	EA	LINES (24", 120 MILS) THERMOPLASTIC PAVEMENT MARKING	1,060 700	LF LF	1/4" HARDWARE CLOTH **" TEMPORARY PIPE
		CHARACTER (120MIL)	1,020	CY	(24") STILLING BASINS
47	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	10	EA	SPECIAL STILLING BASINS
795	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES (4")	31.5 1.5	ACR ACR	SEEDING & MULCHING MOWING
86,292	LF	PAINT PAVEMENT MARKING LINES	50	LB	SEED FOR REPAIR SEEDING
4,354	LF	(4") PAINT PAVEMENT MARKING LINES	0.25 50	TON LB	FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING
644	LF	(8") PAINT PAVEMENT MARKING LINES	23.75	TON	FERTILIZER TOPDRESSING
		(24")	0.6	ACR	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD
16	EA	PAINT PAVEMENT MARKING CHARAC- TER	250	LF	FESCUE/BLUEGRASS) IMPERVIOUS DIKE
42 15,848	EA LF	PAINT PAVEMENT MARKING SYMBOL REMOVAL OF PAVEMENT MARKING	12	HR	SPECIALIZED HAND MOWING
		LINES (4")	16 1.2	EA ACR	RESPONSE FOR EROSION CONTROL STREAMBANK REFORESTATION
519	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	345	EA	GENERIC EROSION CONTROL ITEM NATURAL STONE, BOULDER-2000LB
4	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	600	EA	GENERIC EROSION CONTROL ITEM
329	EA	PERMANENT RAISED PAVEMENT MARKERS	2,000	LF	NATURAL STONE, BOULDER-4000LB GENERIC EROSION CONTROL ITEM
128	TON	FOUNDATION CONDITIONING MATE-	2,010	LF	SAFETY FENCE SIGNAL CABLE
		RIAL, UTILITIES CLASS ********(VI)	22	EA	VEHICLE SIGNAL HEAD (12", 3
128	TON	BEDDING MATERIAL, UTILITIES CLASS ***********	13	EA	SECTION) VEHICLE SIGNAL HEAD (12", 5
80	TON	(IV) PAVEMENT REPAIR FOR UTILITY	140	LF	SECTION) MESSENGER CABLE (1/4")
		WORK	1,500	LF	MESSENGER CABLE (3/8")
48	LF	6" DI WATER PIPE, PC 350	1,285	LF	TRACER WIRE

2,620	LF	TRENCHING (UNPAVED)	Lump Sum	LS	EVAZOTE JOINT SEALS
22	EA	JUNCTION BOX (STANDARD SIZE)			
7	EA	JUNCTION BOX (OVER-SIZED)			
4	EA	WOOD POLE			
8	EA	GUY ASSEMBLY			
1	EA	1" RISER WITH WEATHERHEAD			
1	EA	2" RISER WITH WEATHERHEAD			
3,270	LF	INDUCTIVE LOOP SAWCUT			
5,280 1	LF EA	LEAD-IN CABLE SITE SURVEY			
4	EA	LUMINAIRE ARM FOR VIDEO SYSTEM			
1,285	LF	COMMUNICATIONS CABLE (**FIBER)			
		(12)			
3	EA	INTERCONNECT CENTER			
3	EA	FIBER-OPTIC TRANSCEIVER			
7 12	EA EA	DELINEATOR MARKER METAL STRAIN SIGNAL POLE			
12	EA	SOIL TEST			
180	LF	DRILLED PIER FOUNDATION (**"			
		DIA)			
		(42")			
3	EA	SIGNAL CABINET FOUNDATION			
3	EA EA	CABINET BASE ADAPTER CONTROLLER WITH CABINET (TYPE			
3	LA	2070L, BASE MOUNTED)			
24	EA	DETECTOR CARD (TYPE 2070L)			
		****** BEGIN SCHEDULE HA ******			
		****** (2 ALTERNATES) ******			
1	EA	CAMERA WITH INTERNAL LOOP EMU- LATOR PROCESSING UNIT			
		*** OR ***			
1	EA	CAMERA WITHOUT INTERNAL LOOP			
1	LA	EMULATOR PROCESSING UNIT			
1	EA	EXTERNAL LOOP EMULATOR PRO-			
		CESSING UNIT			
		the Dip Courpey D. W. Att			
		*** END SCHEDULE HA ***			
		CULVERT ITEMS			
Lump Sum	LS	CULVERT EXCAVATION, STA *****			
Lump Jum	20	(17+48.00-Y1-)			
Lump Sum	LS	CULVERT EXCAVATION, STA *****			
	more	(20+81.50-Y6-)			
888	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT			
1,619.3	CY	CLASS A CONCRETE (CULVERT)			
237,893	LB	REINFORCING STEEL (CULVERT)			
		WALL ITEMS			
Lump Sum	LS	GENERIC RETAINING WALL ITEM			
		SOIL NAIL RETAINING WALL AT STA 18+50.00 -L-			
		STRUCTURE ITEMS			
		STRUCTURE TEMS			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE			
		AT STATION ************************************			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE			
Lump Jum	20	AT STATION *********			
		(29+25.37-L- RT)			
14,620	SF	REINFORCED CONCRETE DECK SLAB			
17,468 233	SF CY	GROOVING BRIDGE FLOORS CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION			
Lump Suili	20	******			
		(29+25.37-L- LT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************			
		(29+25.37-L- RT)			
28,062	LB	REINFORCING STEEL (BRIDGE)			
469,022	LS	APPROX LBS STRUCTURAL			
2 105		STEEL HD14V72 GEEGL DH EG			
2,495	LF	HP14X73 STEEL PILES			
543.96	LF	CONCRETE BARRIER RAIL			

 543.96
 LF
 CONCRETE BARRIER RAIL

 970
 SY
 4" SLOPE PROTECTION

 Lump Sum
 LS
 ELASTOMERIC BEARINGS

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L040921 018

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200828 33171.3.2 DIV OFFICE ALBEMARLE LENGTH = 0.266 MI

COUNTY : CABARRUS

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE: JUN 15 2006

BRIDGE OVER REEDY CREEK AND APPROACHES ON SR-1136.

		ROADWAY ITEMS	100 864	LF LF	6" DI WATER PIPE, PC 350 16" DI WATER PIPE, PC ***** (PC 350)
Lump Sum	LS	MOBILIZATION	2,025	LB	DUCTILE IRON WATER PIPE FIT-
Lump Sum	LS	CONSTRUCTION SURVEYING	1	EA	TINGS, 250# MIN WP **" AIR RELEASE VALVE & MAN-
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ************************************		Lit	HOLE (2")
I C	1.0	(18+37.50)	1	EA	RELOCATE EXISTING FIRE HYDRANT
Lump Sum	LS ACR	GRADING SUPPLEMENTARY CLEARING & GRUB-	440	LB	DUCTILE IRON SEWER PIPE FIT-
1		BING			TINGS, ************************************
500	CY	UNDERCUT EXCAVATION	290	LF	FILL OR REMOVE ABANDONED **"
200	CY	DRAINAGE DITCH EXCAVATION			PIPE, ************************************
2,000	CY SY	SELECT GRANULAR MATERIAL	856	LF	FILL OR REMOVE ABANDONED 16"
2,000 200	SF	FABRIC FOR SOIL STABILIZATION TEMPORARY SHORING	030		PIPE, ********
18	TON	FOUNDATION CONDITIONING MATE-			(DI WATER PIPE)
10	1011	RIAL, MINOR STRS	2	EA	GENERIC UTILITY ITEM
24	LF	15" SIDE DRAIN PIPE	202		6" RESTRAINED RETAINER GLAND
36	LF	15" RC PIPE CULVERTS, CLASS	292	LF	GENERIC UTILITY ITEM 8" DI FORCE MAIN SEWER PIPE,
		III			CL 50
64	LF	15" CS PIPE CULVERTS, 0.064"	1,795	LF	TEMPORARY SILT FENCE
44	LE	THICK	60	TON	STONE FOR EROSION CONTROL,
44	LF	18" CS PIPE CULVERTS, 0.064" THICK			CLASS A
2	EA	**" CS PIPE ELBOWS, *****"	380	TON	STONE FOR EROSION CONTROL,
_		THICK	120	TON	CLASS B
		(15", 0.064")	120	TON	SEDIMENT CONTROL STONE
86	LF	PIPE REMOVAL	5 200	ACR LB	TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING
72	TON	AGGREGATE BASE COURSE	0.75	TON	FERTILIZER FOR TEMPORARY SEED-
100	TON	INCIDENTAL STONE BASE	0.73	TON	ING
1,210	TON	ASPHALT CONC BASE COURSE, TYPE	175	LF	TEMPORARY SLOPE DRAINS
610	TON	B25.0B ASPHALT CONC INTERMEDIATE	4	EA	INLET PROTECTION AT TEMPORARY
010	TON	COURSE, TYPE I19.0B			SLOPE DRAINS
680	TON	ASPHALT CONC SURFACE COURSE,	575	CY	SILT EXCAVATION
		TYPE S9.5B	518	SY	SYNTHETIC ROVING
125	TON	ASPHALT BINDER FOR PLANT MIX,	830	SY	MATTING FOR EROSION CONTROL
_		GRADE PG 64-22	40	LF	1/4" HARDWARE CLOTH
2	EA	MASONRY DRAINAGE STRUCTURES	6.5		SEEDING & MULCHING
2	EA	FRAME WITH TWO GRATES, STD 840.29	3		MOWING
70	LF	SHOULDER BERM GUTTER	50 0.25	LB TON	SEED FOR REPAIR SEEDING
387.5	LF	STEEL BM GUARDRAIL	125	LB	FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING
5	EA	ADDITIONAL GUARDRAIL POSTS	5	TON	FERTILIZER TOPDRESSING
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	1.5	HR	SPECIALIZED HAND MOWING
		III	2	EA	RESPONSE FOR EROSION CONTROL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	0.25	ACR	REFORESTATION
250	1.17	WOVEN WIDE FENCE RESET			
250 340	LF LF	WOVEN WIRE FENCE RESET BARBED WIRE FENCE RESET			
220	TON	PLAIN RIP RAP, CLASS B			CTDUCTUDE ITEMS
760	SY	FILTER FABRIC FOR DRAINAGE			STRUCTURE ITEMS
52	SF	WORK ZONE SIGNS (STATIONARY)			
96	SF	WORK ZONE SIGNS (PORTABLE)	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
50	SF	WORK ZONE SIGNS (BARRICADE	Lump Sum	Lo	AT STATION *********
		MOUNTED)			(18+37.50 -L-)
20	EA	DRUMS	55	LF	**'-**" DIA DRILLED PIERS IN
40	EA	CONES			SOIL
50	LF	BARRICADES (TYPE III)	26	LF	(4'-0") **'-**" DIA DRILLED PIERS NOT
256	HR	FLAGGER	20	LI	IN SOIL
3	EA	TEMPORARY CRASH CUSHIONS			(4'-0")
370	LF	PORTABLE CONCRETE BARRIER	49.6	LF	PERMANENT STEEL CASING FOR
94	EA	TEMPORARY RAISED PAVEMENT MARKERS			**'_**" DIA DRILLED PIER (4'-0")
2,810	LF	THERMOPLASTIC PAVEMENT MARKING	1	EA	CROSSHOLE SONIC LOGGING
2,010		LINES (4", 90 MILS)	364	LF	CSL TUBES
2,810	LF	THERMOPLASTIC PAVEMENT MARKING	7,789	SF	REINFORCED CONCRETE DECK SLAB
		LINES (4", 120 MILS)	8,537	SF	GROOVING BRIDGE FLOORS
29,712	LF	PAINT PAVEMENT MARKING LINES	132.4	CY	CLASS A CONCRETE (BRIDGE)
26	E.4	(4")	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
36	EA	PERMANENT RAISED PAVEMENT MARKERS			******
230	TON	FOUNDATION CONDITIONING MATE-			(18+37.50 -L-)
230	- 5.,	RIAL, UTILITIES CLASS ******	27,897	LB	REINFORCING STEEL (BRIDGE)
		(VI)	3,729	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
230	TON	BEDDING MATERIAL, UTILITIES	903.34	LF	STEEL (BRIDGE) 45" PRESTRESSED CONCRETE GIR-
		CLASS **************************(IV)	703.34	LI.	DERS
		(=·/			

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L040921 019

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200954 32578.3.2 DIV OFFICE ALBEMARLE LENGTH = 0.985 KM

COUNTY : ANSON

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE: DEC 31 2006

BRIDGE OVER WINSTON-SALEM SOUTHBOUND RR & APPROACHES ON US-52 NORTH OF WADESBORO & REMOVAL OF BRIDGE 306 ON SR-1649.

		ROADWAY ITEMS	32	HR	FLAGGER
			2	EA	TEMPORARY CRASH CUSHIONS
			95	M	PORTABLE CONCRETE BARRIER
Lump Sum	LS	MOBILIZATION	1,157	M	THERMOPLASTIC PAVEMENT MARKING
Lump Sum	LS	CONSTRUCTION SURVEYING	2,322	M	LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING
Lump Sum	LS	REINFORCED BRIDGE APPROACH	2,322	IVI	LINES (100MM, 3.1MM)
		FILL, STATION ************************************	73	M	THERMOPLASTIC PAVEMENT MARKING
0.4	77.4	(14+92.40)	73	.*1	LINES (200MM, 2.3MM)
0.4	HA	SUPPLEMENTARY CLEARING & GRUB- BING	18	M	THERMOPLASTIC PAVEMENT MARKING
1,000	M3	UNDERCUT EXCAVATION			LINES (600MM, 3.1MM)
Lump Sum	LS	GRADING	7	EA	THERMOPLASTIC PAVEMENT MARKING
88,000	M3	BORROW EXCAVATION			SYMBOL (2.3MM)
336	M3	DRAINAGE DITCH EXCAVATION	80	EA	PERMANENT RAISED PAVEMENT
2,000	M3	SELECT GRANULAR MATERIAL	220	A CTA I	MARKERS
2,000	M2	FABRIC FOR SOIL STABILIZATION	220	MTN	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS *******
700	M2	TEMPORARY SHORING			(VI)
52	MTN	FOUNDATION CONDITIONING MATE-	220	MTN	BEDDING MATERIAL, UTILITIES
		RIAL, MINOR STRS			CLASS ********
7.2	M	375MM RC PIPE CULVERTS, CLASS			(IV)
		III	7.6	MTN	PAVEMENT REPAIR FOR UTILITY
62.4	M	600MM RC PIPE CULVERTS, CLASS	225.0		WORK
		III	396.8	M	***MM DI WATER PIPE, CLASS ******** WP
18	M	****MM RC PIPE CULVERTS, CLASS			(250MM, 52 2.41MPA)
		IV (1650MM)	45	M	20MM COPPER WATER PIPE, TYPE K
50.4	м	(1650MM) ****MM RC PIPE CULVERTS, CLASS	4.5	M	150MM PVC WATER PIPE, SDR 21,
50.4	M	IV	4.5	.*1	1.38MPA WP
		(750MM)	615.7	M	250MM PVC WATER PIPE, SDR 21,
26.4	M	400MM BIT COAT CS PIPE CUL-			1.38MPA WP
		VERTS, TYPE B 1.63MM THICK	680	KG	DUCTILE IRON WATER PIPE FIT-
4	EA	400MM BIT COAT CS PIPE ELBOWS,			TINGS, 1.72MPA MIN WP
		TYPE B 1.63MM THICK	3	EA	20MM CORPORATION STOP
6	M	PIPE REMOVAL	1	EA	150MM GATE VALVE & VALVE BOX,
151	MTN	AGGREGATE BASE COURSE		E.4	1.38MPA WP
300	MTN	INCIDENTAL STONE BASE	4	EA	250MM GATE VALVE & VALVE BOX, ****MPA WP
4,640	MTN	ASPHALT CONC BASE COURSE, TYPE			(1.38MPA)
2.005	MINI	B25.0B	2	EA	***MM TRANSITION COUPLING,
2,095	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B			******
2,476	MTN	ASPHALT CONC SURFACE COURSE,			(250MM, AC TO PVC)
_,		TYPE S9.5B	3	EA	RELOCATE EXISTING WATER METER
451	MTN	ASPHALT BINDER FOR PLANT MIX,	1	EA	RELOCATE EXISTING FIRE HYDRANT
		GRADE PG 64-22	979	M	FILL OR REMOVE ABANDONED ***MM
4.8	M3	REINFORCED ENDWALLS			PIPE, ************************************
2.68	M3	PIPE COLLARS	55	M	GENERIC UTILITY ITEM
3	EA	MASONRY DRAINAGE STRUCTURES	55		600MM STEEL ENCASEMENT PIPE,
2	EA	FRAME WITH TWO GRATES, STD			9.52MM THICK, BY BORING &
2	E.4	840.24			JACKING
2	EA	MODIFIED CONCRETE FLUME	1,020	M	TEMPORARY SILT FENCE
18	M2	100MM CONCRETE PAVED DITCH	70	MTN	STONE FOR EROSION CONTROL,
803.91	M	STEEL BM GUARDRAIL SHOP	705	MTNI	CLASS A
60.96	M	STEEL BM GUARDRAIL, SHOP CURVED	/95	MIN	STONE FOR EROSION CONTROL, CLASS B
5	EA	ADDITIONAL GUARDRAIL POSTS	260	MTN	SEDIMENT CONTROL STONE
2	EA	GUARDRAIL ANCHOR UNITS, TYPE	1	HA	TEMPORARY MULCHING
-	2.1	AT-1	-	KG	
4	EA	GUARDRAIL ANCHOR UNITS, TYPE		MTN	
		III			ING
6	EA	GUARDRAIL ANCHOR UNITS, TYPE	310	M	TEMPORARY SLOPE DRAINS
		350	14	EA	INLET PROTECTION AT TEMPORARY
15.24	M	REMOVE & RESET EXISTING GUARD-			SLOPE DRAINS
2	Ε.	RAIL	4,745	M3	SILT EXCAVATION
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ************************************	2,370	M2	MATTING FOR EROSION CONTROL
		(W-BEAM)	20	M	6.4MM HARDWARE CLOTH
360	M	** STRAND BARBED WIRE FENCE	3	HA	SEEDING & MULCHING
		WITH POSTS	0.5	HA	MOWING
		(4)	25	KG	SEED FOR REPAIR SEEDING
360	M	BARBED WIRE FENCE RESET			FERTILIZER FOR REPAIR SEEDING
26.3	MTN	PLAIN RIP RAP, CLASS B	100	KG	SEED FOR SUPPLEMENTAL SEEDING
200	M2	FILTER FABRIC FOR DRAINAGE			FERTILIZER TOPDRESSING
30	M2	WORK ZONE SIGNS (STATIONARY)	6.5	HR	SPECIALIZED HAND MOWING
9	M2	WORK ZONE SIGNS (PORTABLE)	8	EA	RESPONSE FOR EROSION CONTROL
10	M2	WORK ZONE SIGNS (BARRICADE	0.61	HA	REFORESTATION
_	г.	MOUNTED)			
2	EA	WARNING FLAG SETS			
61	EA M	DRUMS DARBICADES (TVDE III)			
50	IVI	BARRICADES (TYPE III)			

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STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURES
		AT STATION ********
		(14+94.156-L-)
23.5	M	****MM DIA DRILLED PIERS IN
		SOIL
		(1220MM)
17	M	****MM DIA DRILLED PIERS NOT
		IN SOIL
		(1220MM)
1	EA	CROSSHOLE SONIC LOGGING
182.4	M	CSL TUBES
930.5	M2	REINFORCED CONCRETE DECK SLAB
985.3	M2	GROOVING BRIDGE FLOORS
138.5	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(14+94.156-L-)
18,607	KG	REINFORCING STEEL (BRIDGE)
2,920	KG	SPIRAL COLUMN REINFORCING
		STEEL (BRIDGE)
116,900	LS	APPROX KG STRUCTURAL STEEL
168	M	HP310X79 STEEL PILES
136.92	M	CONCRETE BARRIER RAIL
2,070	M2	100MM SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LO	EVALUTE JUINT SEALS

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L040921 020

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C200892 33378.2.2 DIV OFFICE NORTH WILKESBORO LENGTH = 0.369 MI

COUNTY : ASHE

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE: JUN 15 2006

BRIDGE OVER SOUTH FORK NEW RIVER & APPROACHES ON NC-163.

		ROADWAY ITEMS	1,000	SY	FILTER FABRIC FOR DRAINAGE
			2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
Lump Sum	LS	MOBILIZATION	169	SF	WORK ZONE SIGNS (STATIONARY)
Lump Sum	LS	CONSTRUCTION SURVEYING	96	SF	WORK ZONE SIGNS (PORTABLE)
Lump Sum	LS	REINFORCED BRIDGE APPROACH	39	EA	DRUMS
•		FILL, STATION ********	39	EA	CONES
		(20+93.60)	60	MD	FLAGGER TEMPORARY CRASH CUSHIONS
Lump Sum	LS	GRADING	1	EA EA	TEMPORARY CRASH CUSHIONS
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	1	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH)
300	CY	UNDERCUT EXCAVATION	300	LF	PORTABLE CONCRETE BARRIER
500	TON	CLASS IV SUBGRADE STABILIZA-	49	EA	TEMPORARY RAISED PAVEMENT
		TION			MARKERS
500	CY	DRAINAGE DITCH EXCAVATION	7,800	LF	EPOXY PAVEMENT MARKING LINES
300	CY	SELECT GRANULAR MATERIAL	15,600	LF	(4") PAINT PAVEMENT MARKING LINES
1,000	SY	FABRIC FOR SOIL STABILIZATION	13,000	Li	(4")
155	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS	300	LF	REMOVAL OF PAVEMENT MARKING
20	LF	15" SIDE DRAIN PIPE			LINES (4")
16	LF	24" SIDE DRAIN PIPE	4	EA	PERMANENT RAISED PAVEMENT
236	LF	12" RC PIPE CULVERTS, CLASS	20	EA	MARKERS SNOWPLOWABLE RAISED PAVEMENT
		III	20	EA	MARKERS
344	LF	15" RC PIPE CULVERTS, CLASS	1,425	LF	TEMPORARY SILT FENCE
206		III	75	TON	STONE FOR EROSION CONTROL,
296	LF	24" RC PIPE CULVERTS, CLASS III			CLASS A
136	LF	30" RC PIPE CULVERTS, CLASS	430	TON	STONE FOR EROSION CONTROL,
		III	450	TON	CLASS B
112	LF	15" CS PIPE CULVERTS, 0.064"	450 7	TON	SEDIMENT CONTROL STONE
		THICK	250	ACR LB	TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING
304	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	1	TON	FERTILIZER FOR TEMPORARY SEED-
6	EA	15" BIT COAT CS PIPE ELBOWS,	1	1011	ING
·	Lit	TYPE B 0.064" THICK	75	LF	TEMPORARY SLOPE DRAINS
40	LF	GENERIC PIPE ITEM	2	EA	INLET PROTECTION AT TEMPORARY
		30" RC PIPE CULVERTS, CLASS IV			SLOPE DRAINS
20	LE	(BY BORING& JACKING)	1,445	CY	SILT EXCAVATION
38 100	LF TON	PIPE REMOVAL INCIDENTAL STONE BASE	2,000	SY	MATTING FOR EROSION CONTROL
1,300	TON	ASPHALT CONC BASE COURSE, TYPE	200 12	LF EA	1/4" HARDWARE CLOTH SPECIAL STILLING BASINS
1,500	1011	B25.0B	9	ACR	
800	TON	ASPHALT CONC INTERMEDIATE	4	ACR	MOWING
		COURSE, TYPE I19.0B	100	LB	SEED FOR REPAIR SEEDING
900	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	0.25	TON	FERTILIZER FOR REPAIR SEEDING
150	TON	ASPHALT BINDER FOR PLANT MIX,	175	LB	SEED FOR SUPPLEMENTAL SEEDING
150	1011	GRADE PG 64-22	6.5	TON	FERTILIZER TOPDRESSING
50	TON	ASPHALT PLANT MIX, PAVEMENT	2.5	HR	SPECIALIZED HAND MOWING
		REPAIR	8	EA	RESPONSE FOR EROSION CONTROL
9	EA	RIGHT OF WAY MARKERS			
115	CY CY	SUBDRAIN EXCAVATION			
85 500	LF	SUBDRAIN FINE AGGREGATE 6" PERFORATED SUBDRAIN PIPE			STRUCTURE ITEMS
15	EA	6" SUBDRAIN PIPE WYES, TEES, &			
15	2	ELBOWS			
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, &
		OUTLET			REMOVAL OF TEMP ACCESS AT STA
6	LF	6" OUTLET PIPE (SUBDRAINS)			(20+93.60 -L-)
4.1	CY	REINFORCED ENDWALLS	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
0.36 11	CY EA	PIPE PLUGS MASONRY DRAINAGE STRUCTURES			AT STATION ************************************
3	EA	FRAME WITH TWO GRATES, STD	Lump Sum	LS	FOUNDATION EXCAVATION FOR END
,	LA	840.24	Lump Sum	Lo	BENT ** AT STATION ********
8	EA	FRAME WITH TWO GRATES, STD			(1, 20+93.60 -L-)
		840.29	5.08	LF	**'-**" DIA DRILLED PIERS IN
2	EA	**" SLUICE GATE			SOIL (6'-0")
Lump Sum	LS	(22") GENERIC DRAINAGE ITEM	18	LF	**'-**" DIA DRILLED PIERS NOT
Lump Sum	LO	HAZARDOUS SPILL BASIN			IN SOIL
950	LF	SHOULDER BERM GUTTER			(6'-0")
300	LF	CONCRETE EXPRESSWAY GUTTER	7.08	LF	PERMANENT STEEL CASING FOR
1,175	LF	STEEL BM GUARDRAIL			**'_**" DIA DRILLED PIER (6'-0")
5	EA	ADDITIONAL GUARDRAIL POSTS	2	EA	CROSSHOLE SONIC LOGGING
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	150	LF	CSL TUBES
4	E A	III GUADDDAIL ANGUOD LINITS TYDE	11,612	SF	REINFORCED CONCRETE DECK SLAB
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	11,497	SF	GROOVING BRIDGE FLOORS
125	TON		204	CY	CLASS A CONCRETE (BRIDGE)
125	TON	PLAIN RIP RAP, CLASS B	204	CY	CLASS A CONCRETE (BRIDGE)

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Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
		(20+93.60 -L-)
50,280	LB	REINFORCING STEEL (BRIDGE)
2,691	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
307,100	LS	APPROX LBS STRUCTURAL STEEL
300	LF	HP12X53 STEEL PILES
10	EA	STEEL PILE POINTS
623.48	LF	CONCRETE BARRIER RAIL
890	TON	PLAIN RIP RAP CLASS II (2'-0"
		THICK)
985	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	EXPANSION JOINT SEALS

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L040921 021

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201267 36982.3.1 DIV OFFICE ASHEVILLE LENGTH = 6.800 MI

COUNTY : BUNCOMBE, MCDOWELL

INTELLIGENT TRAFFIC SYSTEM.

DBE GOAL 0.0% COMPLETION DATE: AUG 01 2005

I-40 FROM MP-64 TO MP-72 AT OLD FORT MOUNTAIN.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
198	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (A)
1	CY	PLAIN CONCRETE SIGN FOOTINGS
1,028	LB	SUPPORTS, BREAKAWAY STEEL BEAN
3	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
440	SF	WORK ZONE SIGNS (PORTABLE)
2	EA	FLASHING ARROW PANELS, TYPE C
225	EA	DRUMS
2	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)
23	EA	2" RISER WITH WEATHERHEAD
3	EA	BEACON CONTROLLER ASSEMBLY & CABINET (*******) (F3)
1	EA	GENERIC SIGNAL ITEM CELLULAR MODEM
15	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET (POLE MOUNTED)
8	EA	GENERIC SIGNAL ITEM EVENT PROCESSOR/WIRELESS TRANSCEIVER
1	EA	GENERIC SIGNAL ITEM FURNISH CELLULAR MODEM
1	EA	GENERIC SIGNAL ITEM FURNISH EVENT PROCESSOR/ WIRELESS TRANSCEIVER
1	EA	GENERIC SIGNAL ITEM FURNISH SOLAR POWER ASSEMBLY
1	EA	GENERIC SIGNAL ITEM FURNISH VISIBILITY SENSOR
1	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS DATA TRANSCEIVER
18	EA	GENERIC SIGNAL ITEM NEW ELECTRICAL SERVICE
5	EA	GENERIC SIGNAL ITEM SOLAR POWER ASSEMBLY
6	EA	GENERIC SIGNAL ITEM VEHICLE SIGNAL HEAD (12", 1 SECTION)
5	EA	GENERIC SIGNAL ITEM VISIBILITY SENSOR
15	EA	GENERIC SIGNAL ITEM WIRELESS DATA TRANSCEIVER
19	EA	GENERIC SIGNAL ITEM WOOD POLE (35')
Lump Sum	LS	GENERIC SIGNAL ITEM TRAINING

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L041019 001

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C200893 34336.3.4 DIV OFFICE FAYETTEVILLE LENGTH = 18.189 KM

COUNTY : ROBESON

GRADING, DRAINAGE, PAVING, GUARDRAIL & STRUCTURES.

MBE GOAL 12.0% WBE 6.0% COMPLETION DATE: DEC 31 2008

US-74 FROM WEST OF SR-1157 (HENRY BERRY RD) TO WEST OF SR-1164 (BACK SWAMP RD) & FROM WEST OF SR-1164 TO NC-41.

		ROADWAY ITEMS	116.4	M	1350MM RC PIPE CULVERTS, CLASS III
			33.6	M	1500MM RC PIPE CULVERTS, CLASS
Lump Sum	LS	MOBILIZATION	61.2	M	III 1650MM RC PIPE CULVERTS, CLASS
Lump Sum	LS LS	CONSTRUCTION SURVEYING GENERIC MISCELLANEOUS ITEM			III
Lump Sum	Lo	CRITICAL PATH METHOD SCHEDULE	100.8	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM DESIGN AND CONSTRUCT I-95	COC 4		(1050MM)
		TEMP MEDIAN CROSSOVER DETOURS	686.4	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	CLEARING & GRUBBING HEC- TARE(S)	(0.6		(450MM)
2	HA	SUPPLEMENTARY CLEARING & GRUB-	69.6	M	****MM RC PIPE CULVERTS, CLASS IV
7	EA	BING SEALING ABANDONED WELLS	56.4	M	(600MM) ****MM RC PIPE CULVERTS, CLASS
120,000	M3	UNCLASSIFIED EXCAVATION	30.4	IVI	IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	1,257.6	M	(750MM) 400MM BIT COAT CS PIPE CUL-
		(13+99.751 -Y4-)	,		VERTS, TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	64	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
		(14+00.000 -Y1-)	1,753.7	M	PIPE REMOVAL
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	1,795	M2	150MM SLOPE PROTECTION
		(14+27.454 - Y5-)	Lump Sum 250	LS KG	FINE GRADING SEALING EXISTING PAVEMENT
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********			CRACKS & JOINTS
		(15+85.303 -Y-)	6,500 464,200	MTN MTN	STABILIZER AGGREGATE AGGREGATE BASE COURSE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION *********	4,000	MTN	INCIDENTAL STONE BASE
		(17+37.086 -Y3-)	97,650	L	PRIME COAT
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	2,400	M2	MILLING ASPHALT PAVEMENT, **MM DEPTH
		(23+42.464 -Y5-)	122 400	MTNI	(165MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	123,400	MIN	ASPHALT CONC BASE COURSE, TYPE B25.0C
I C	1.0	(277+68.339 -L- NBL)	25,925	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	114,255	MTN	ASPHALT CONC INTERMEDIATE
Lumn Cum	LS	(277+68.339 -L- SBL) REINFORCED BRIDGE APPROACH	16.750	MTNI	COURSE, TYPE I19.0C
Lump Sum	Lo	FILL, STATION *********	16,750	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D
23,713	М3	(33+70.270 -Y3-) UNDERCUT EXCAVATION	30,880	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
4,596,500	M3	BORROW EXCAVATION	136,770	MTN	ASPHALT CONC SURFACE COURSE,
45,382	M3	DRAINAGE DITCH EXCAVATION	15,950	MTN	TYPE S12.5C
164,350	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	13,530	IVIIIN	ASPHALT CONC SURFACE COURSE, TYPE S12.5D
39,400	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	13,780	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
207	HR	PROOF ROLLING	8,315	MTN	ASPHALT BINDER FOR PLANT MIX,
36,400	M3	SELECT GRANULAR MATERIAL	770	MTN	GRADE PG 70-22 ASPHALT BINDER FOR PLANT MIX,
27,000 235	M2 M2	FABRIC FOR SOIL STABILIZATION TEMPORARY SHORING	770	IVIIIN	GRADE PG 76-22
65	M2	TEMPORARY SHORING - BARRIER	213	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
541	M2	SUPPORTED GENERIC GRADING ITEM	87,000	M	MILLED RUMBLE STRIPS
541	1412	TEMPORARY FABRIC WALL	802	M3	SUBDRAIN EXCAVATION
2,380 500	MTN MTN	SELECT MATERIAL, CLASS II SELECT MATERIAL, CLASS IV	539 1,300	M3 M	SUBDRAIN FINE AGGREGATE 150MM PERFORATED SUBDRAIN PIPE
4,380	MTN	FOUNDATION CONDITIONING MATE-	129	EA	150MM SUBDRAIN PIPE WYES,
0.4	м	RIAL, MINOR STRS	9	EA	TEES, & ELBOWS CONCRETE PAD FOR SUBDRAIN PIPE
8.4	M	****MM SIDE DRAIN PIPE (750MM)			OUTLET
192	M	375MM SIDE DRAIN PIPE	18 7,735	M M	150MM OUTLET PIPE (SUBDRAINS) SHOULDER DRAIN
115.2 4,155.6	M M	450MM SIDE DRAIN PIPE 375MM RC PIPE CULVERTS, CLASS	7,735	M	100MM SHOULDER DRAIN PIPE
		III	366	M	100MM OUTLET PIPE (SHOULDER DRAINS)
2,466	M	450MM RC PIPE CULVERTS, CLASS III	99	EA	CONCRETE PAD FOR SHOULDER
1,033.2	M	600MM RC PIPE CULVERTS, CLASS	182.4	М3	DRAIN PIPE OUTLET ENDWALLS
1,266	M	III 750MM RC PIPE CULVERTS, CLASS	182.4 20.5	M3	REINFORCED ENDWALLS
		III	11.78	M3	PIPE COLLARS
657.6	M	900MM RC PIPE CULVERTS, CLASS III	0.32 232	M3 EA	PIPE PLUGS MASONRY DRAINAGE STRUCTURES
991.2	M	1050MM RC PIPE CULVERTS, CLASS	21.86	M	MASONRY DRAINAGE STRUCTURES
612	M	III 1200MM RC PIPE CULVERTS, CLASS	1	EA	FRAME WITH GRATE, STD 840.**** (840.16)
		III	1	EA	FRAME WITH GRATE, STD 840.22

			Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA
					********* (276+80.00-L-)
33	EA	FRAME WITH TWO GRATES, STD 840.20	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA
163	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS	(278+40.00-L-) OVERHEAD SIGN ASSEMBLY AT STA ********
15	EA	FRAME WITH TWO GRATES, STD 840.24	Lump Sum	LS	(28+00.00-COAD-) OVERHEAD SIGN ASSEMBLY AT STA
4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	Zump Sum	25	**************************************
4	EA	(E) FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ********* (292+40.00-L-)
4	EA	(F) FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ********************************
1	EA	(G) FRAME WITH COVER, STD 840.54	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA
1	EA	CONCRETE APRON FOR DROP INLETS	Lymn Cym	LS	(303+40.00-L-) OVERHEAD SIGN ASSEMBLY AT STA
1,900 650	M M	750MM CONCRETE CURB & GUTTER SHOULDER BERM GUTTER	Lump Sum	Lo	********
117	M2	150MM CONCRETE DRIVEWAY			(32+40.00-COBC-)
1,075	M2	125MM MONOLITHIC CONCRETE IS- LANDS (SURFACE MOUNTED)	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ********
305	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	Lump Sum	LS	(36+40.00-COAD-) OVERHEAD DYNAMIC MESSAGE SIGN
11	EA	ADJUSTMENT OF DROP INLETS			ASSEMBLY "DMS-**" (1)
8	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	Lump Sum	LS	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**"
2	EA	GENERIC DRAINAGE ITEM CONVERT EXIST JUNCTION BOX TO 2 GRATE INLET	Lump Sum	LS	(2) OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**"
10	EA	IMPACT ATTENUATOR UNIT, TYPE 350	47	EA	(3) SIGN ERECTION, TYPE D
11,490.96	M	STEEL BM GUARDRAIL	234	EA	SIGN ERECTION, TYPE E
441.96	M	STEEL BM GUARDRAIL, SHOP	68	EA	SIGN ERECTION, TYPE F
		CURVED	40	EA	SIGN ERECTION, TYPE ***
348.81	M	STEEL BM GUARDRAIL, DOUBLE FACED			(GROUND MOUNTED) (A)
20 45	EA EA	ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE CAT-1	44	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
30	EA	GUARDRAIL ANCHOR UNITS, TYPE	29	EA	SIGN ERECTION, MILEMARKERS
70	EA	III GUARDRAIL ANCHOR UNITS, TYPE 350	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA
23	EA	GUARDRAIL ANCHOR UNITS, TYPE			(24+00.00-COBC-)
24	EA	M-350 GUARDRAIL ANCHOR UNITS, TYPE	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ******
3,061.3	M	B-77 REMOVE & STOCKPILE EXISTING GUARDRAIL	Lump Sum	LS	(264+40.00-L-) LRS LIGHTING SYSTEM FOR OVER-
10,800	M	CABLE GUIDERAIL	Lump Sum	LO	HEAD SIGN ASSEMBLY AT STA
13,050	M	DOUBLE FACED CABLE GUIDERAIL			******* (270+50.00-L-)
106	EA	CABLE GUIDERAIL ANCHOR UNITS	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER-
2,000	M	GENERIC GUARDRAIL ITEM RESET DOUBLE FACED CABLE	Eurip Guir	Lo	HEAD SIGN ASSEMBLY AT STA ******
8	EA	GUIDERAIL GENERIC GUARDRAIL ITEM	Lump Sum	LS	(276+80.00-L-) LRS LIGHTING SYSTEM FOR OVER-
	2.1	RESET DOUBLE FACED CABLE GUIDERAIL ANCHOR UNITS	Lump Sum	Lo	HEAD SIGN ASSEMBLY AT STA
38,140	M	WOVEN WIRE FENCE, 1200MM FAB- RIC	T 0		(278+40.00-L-)
8,140	EA	100MM TIMBER FENCE POSTS, ****M LONG	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ******
1,430	EA	(2.3M) 125MM TIMBER FENCE POSTS,	Lump Sum	LS	(28+00.00-COAD-) LRS LIGHTING SYSTEM FOR OVER-
1,430	Lit	****M LONG (2.5M)	Zump Jum	LU	HEAD SIGN ASSEMBLY AT STA
3,814	M	ADDITIONAL BARBED WIRE			(285+30.00-L-)
425	MTN	PLAIN RIP RAP, CLASS I	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER-
91	MTN	PLAIN RIP RAP, CLASS II			HEAD SIGN ASSEMBLY AT STA
1,080	MTN	PLAIN RIP RAP, CLASS B			(292+40.00-L-)
10,765	M2	FILTER FABRIC FOR DRAINAGE	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER-
8	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON			HEAD SIGN ASSEMBLY AT STA
48	M3	REINFORCED CONCRETE SIGN FOOT- INGS	Lump Sum	LS	(293+37.00-L-) LRS LIGHTING SYSTEM FOR OVER-
6 27,195	M3 KG	PLAIN CONCRETE SIGN FOOTINGS SUPPORTS, BREAKAWAY STEEL BEAM			HEAD SIGN ASSEMBLY AT STA ******
621	KG	SUPPORTS, SIMPLE STEEL BEAM			(303+40.00-L-)
2,350	M	SUPPORTS, 4.5KG STEEL U-CHANNEL	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA
29	EA	SUPPORTS, 3KG STEEL U-CHANNEL			******* (32+40.00-COBC-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA
Lump Sum	LS	(24+00.00-COBC-) OVERHEAD SIGN ASSEMBLY AT STA			******* (36+40 00-COAD-)
Lump Sum	பல	************ (264+40.00-L-)	2	EA	(36+40.00-COAD-) RELOCATE SIGN, TYPE *****
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA	4	EA	(A, GROUND MOUNTED) DISPOSAL OF SUPPORT, STEEL
		**************************************	27	E A	BEAM
			27	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM

			48	EA	PAINT PAVEMENT MARKING CHARACTER
251	EA	DISDOS AL OE SICN SYSTEM II	878 26,576	EA M	PAINT PAVEMENT MARKING SYMBOL REMOVAL OF PAVEMENT MARKING
251	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	21,006	M	LINES (100MM) REMOVAL OF PAVEMENT MARKING
28 1	EA EA	DISPOSAL OF SIGN SYSTEM, WOOD DISPOSAL OF SIGN, A OR B	240	M	LINES (150MM) REMOVAL OF PAVEMENT MARKING
7	EA	(GROUND MOUNTED) DISPOSAL OF SIGN, MILEMARKER	80	M	LINES (200MM) REMOVAL OF PAVEMENT MARKING
12 Lump Sum	EA LS	TEMPORARY SIGN COVERS DYNAMIC MESSAGE SIGN SYSTEM			LINES (600MM)
Eurip Sum	Lo	"DMS**" (1)	10	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM	1,950	EA	PERMANENT RAISED PAVEMENT MARKERS
		"DMS**" (2)	3,272	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM "DMS**"	468	EA	FLEXIBLE DELINEATORS (CRYSTAL)
Lump Sum	LS	(3) DYNAMIC MESSAGE SIGN SYSTEM	200 80	EA EA	FLEXIBLE DELINEATORS (YELLOW) FLEXIBLE DELINEATORS (CRYSTAL
		"DMS**" (4)	1,652	MTN	& RED) FOUNDATION CONDITIONING MATE-
1	EA	GENERIC SIGNING ITEM DISPOSAL OF SIGN SYSTEM ON			RIAL, UTILITIES CLASS ******* (VI)
		SPAN WIRE	1,652	MTN	BEDDING MATERIAL, UTILITIES CLASS ***********************************
1	EA	GENERIC SIGNING ITEM FURNISH DMS CONTROLLER	26	MTNI	(IV)
90	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	36	MTN	PAVEMENT REPAIR FOR UTILITY WORK
4 10	EA EA	FLASHING ARROW PANELS, TYPE C CHANGEABLE MESSAGE SIGNS	67	M	150MM DI WATER PIPE, PC 2.41MPA
28	EA	WARNING FLAG SETS	425	M	150MM PVC WATER PIPE, SDR 21, 1.38MPA WP
750 750	EA EA	DRUMS CONES	4,706	M	200MM PVC WATER PIPE, SDR 21, 1.38MPA WP
1,320	M	BARRICADES (TYPE III)	2,553	M	300MM PVC WATER PIPE, SDR 21,
1,000 24	MD EA	FLAGGER WARNING LIGHTS (TYPE B)	4,528	KG	1.38MPA WP DUCTILE IRON WATER PIPE FIT-
16 24	EA EA	TEMPORARY CRASH CUSHIONS RESET TEMPORARY CRASH CUSHIONS	9	EA	TINGS, 1.72MPA MIN WP 20MM CORPORATION STOP
5	EA	TRUCK MOUNTED IMPACT ATTENUA-	1	EA	40MM CORPORATION STOP
4,133	M	TOR (60 MPH) PORTABLE CONCRETE BARRIER	1 11	EA EA	50MM CORPORATION STOP 150MM GATE VALVE & VALVE BOX,
60	M	PORTABLE CONCRETE BARRIER (ANCHORED)	7	EA	1.38MPA WP 200MM GATE VALVE & VALVE BOX,
9,800	M	RESET PORTABLE CONCRETE BAR- RIER			****MPA WP (1.38MPA WP)
150	HR	POLICE	2	EA	300MM GATE VALVE & VALVE BOX, ****MPA WP
1,363	M	GENERIC TRAFFIC CONTROL ITEM TEMPORARY GLARE SCREEN	_		(1.38MPA WP)
11	M2	GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS - FLUORESCENT	2	EA	*** X ***MM TAPPING SADDLE (150MM X 20MM)
		ORANGE SHEETING (BARRICADE MO UNTED)	6	EA	*** X ***MM TAPPING SADDLE (200MM X 20MM)
201	M2	GENERIC TRAFFIC CONTROL ITEM WORK ZONE SIGNS - FLUORESCENT	1	EA	*** X ***MM TAPPING SADDLE (200MM X 40MM)
524	M2	ORANGE SHEETING (PORTABLE) GENERIC TRAFFIC CONTROL ITEM	1	EA	*** X ***MM TAPPING SADDLE (200MM X 50MM)
324	IVI Z	WORK ZONE SIGNS - FLUORESCENT	2	EA	*** X ***MM TAPPING SADDLE
1,172	M	ORANGE SHEETING (STATIONARY) REMOVABLE TAPE PAVEMENT MARK-	11	EA	(300MM X 20MM) RELOCATE EXISTING WATER METER
1,135	M	ING LINES (100MM) REMOVABLE TAPE PAVEMENT MARK-	5	EA EA	REMOVE EXISTING WATER METER FIRE HYDRANT. ****MPA WP
55	M	ING LINES (150MM) REMOVABLE TAPE PAVEMENT MARK-	8	EA	(1.38MPA WP) RELOCATE EXISTING FIRE HYDRANT
324	М	ING LINES (200MM) REMOVABLE TAPE PAVEMENT MARK-	2,428	M	FILL OR REMOVE ABANDONED 300MM
		ING LINES (300MM)			PIPE, ************************************
9,888	EA	TEMPORARY RAISED PAVEMENT MARKERS	207	M	GENERIC UTILITY ITEM 20MM PE WATER TUBING, SDR 7,
88,621	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)	524	M	PC 1.38 GENERIC UTILITY ITEM
15,086	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)			300MM STEEL ENCASEMENT PIPE, 4.77MM THICK, BY OPEN CUT
32,781	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)	3	M	GENERIC UTILITY ITEM 40MM PE WATER TUBING, SDR 7,
2,823	M	THERMOPLASTIC PAVEMENT MARKING	140	.,	PC 1.38
4,347	M	LINES (150MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING	140	M	GENERIC UTILITY ITEM 50MM PE WATER TUBING, SDR 7,
1,942	M	LINES (200MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING	25,500	M	PC 1.38 TEMPORARY SILT FENCE
186	M	LINES (300MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING	2,485	MTN	STONE FOR EROSION CONTROL, CLASS A
		LINES (600MM, 3.1MM)	21,675	MTN	STONE FOR EROSION CONTROL, CLASS B
90	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)			SEDIMENT CONTROL STONE
617,119	M	PAINT PAVEMENT MARKING LINES (100MM)	311.5 17,900	HA KG	TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING
116,105	M	PAINT PAVEMENT MARKING LINES (150MM)	145		FERTILIZER FOR TEMPORARY SEED-ING
10,758	M	PAINT PAVEMENT MARKING LINES (200MM)	2,860	M	TEMPORARY SLOPE DRAINS
5,716	M	PAINT PAVEMENT MARKING LINES	199	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
1,472	M	(300MM) PAINT PAVEMENT MARKING LINES	41,255 53,680	M3 M2	SILT EXCAVATION MATTING FOR EROSION CONTROL
		(600MM)	1,600	M	6.4MM HARDWARE CLOTH

			350	M	GENERIC SIGNAL ITEM UNDERGROUND POLYETHYLENE CONDUIT(S) (50MM)(1)
426	HA	SEEDING & MULCHING	300	M	GENERIC SIGNAL ITEM
168.5	HA	MOWING			UNDERGROUND POLYETHYLENE
3,650	KG	SEED FOR REPAIR SEEDING			CONDUIT(S) (50MM)(2)
	MTN	FERTILIZER FOR REPAIR SEEDING			(30/11/1/2)
11,925 716	KG MTN	SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING			
1.75	HA	SPECIALIZED SEEDING UNDER			CULVERT ITEMS
		GUIDERAIL & GUARDRAIL (CENTI-			CULVERTITEMS
95	HR	PEDE) SPECIALIZED HAND MOWING			
40	EA	RESPONSE FOR EROSION CONTROL	Lump Sum	LS	CULVERT EXCAVATION, STA *****
11	HA	REFORESTATION	Lymn Cym	1.0	(12+02.000 -Y1-)
965	M	SIGNAL CABLE	Lump Sum	LS	CULVERT EXCAVATION, STA ****** (252+60.000 -L-)
32	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)	226.7	MTN	FOUNDATION CONDITIONING MATER-
890	M	MESSENGER CABLE (9.52MM)	278.3	M2	IAL, BOX CULVERT
1,063	M	TRENCHING (UNPAVED)	23,631	M3 KG	CLASS A CONCRETE (CULVERT) REINFORCING STEEL (CULVERT)
60	M	DIRECTIONAL DRILL POLYETHYLENE			
		CONDUIT, *****MM (** CONDUIT) (50MM, 1)			
60	M	DIRECTIONAL DRILL POLYETHYLENE			STRUCTURE ITEMS
		CONDUIT, *****MM (** CONDUIT) (50MM, 2)			STREETERE TIEMS
20	EA	JUNCTION BOX (STANDARD SIZE)			
16	EA	WOOD POLE	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION *********
16	EA	GUY ASSEMBLY			(17+37.086 - Y3-)
3	EA	25MM RISER WITH WEATHERHEAD	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
11 1,780	EA M	50MM RISER WITH WEATHERHEAD INDUCTIVE LOOP SAWCUT			** AT STATION ************************************
2,870	M	LEAD-IN CABLE	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
8	EA	METAL STRAIN SIGNAL POLE			** AT STATION ************************************
8	EA	SOIL TEST	Lump Sum	LS	(1,179+16.633 -L-) FOUNDATION EXCAVATION FOR BENT
40	M	DRILLED PIER FOUNDATION (***MM DIA)	Eurip Sum	LU	** AT STATION *******
		(1067MM)			(1,209+17.263 -L-)
15	EA	SIGN FOR SIGNALS	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION **********
3	EA	SIGNAL CABINET FOUNDATION			(1,256+58.326 -L-)
3	EA EA	CABINET BASE ADAPTER CONTROLLER WITH CABINET (TYPE	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ************************************
3	LA	2070L, BASE MOUNTED)			(1,271+08.001 -L-)
16	EA	DETECTOR CARD (TYPE 2070L)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
2	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY			** AT STATION ************************************
2	EA	GENERIC SIGNAL ITEM	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
		CCTV METAL POLE			** AT STATION ************************************
2	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET	Lump Sum	LS	(1,277+68.339 -L-LT.) FOUNDATION EXCAVATION FOR BENT
		(POLE MOUNTED)	Zump Sum	20	** AT STATION ********
1	EA	GENERIC SIGNAL ITEM	Lymn Cym	1.0	(1,298+57.237 -L-)
1	EA	ETHERNET SWITCH GENERIC SIGNAL ITEM	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ************************************
	Lit	FURNISH CCTV CAMERA ASSEMBLY			(1,318+10.648 -L-)
1	EA	GENERIC SIGNAL ITEM	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ************************************
1	EA	FURNISH CCTV TEST MONITOR GENERIC SIGNAL ITEM			(2,277+68.339 -L- RT.)
	Lit	FURNISH ETHERNET SWITCH	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ************************************
1	EA	GENERIC SIGNAL ITEM			(2,277+68.339 -L-LT.)
1	EA	FURNISH VIDEO DECODER GENERIC SIGNAL ITEM	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
	LA	FURNISH VIDEO ENCODER			** AT STATION ************************************
1	EA	GENERIC SIGNAL ITEM	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT
1	EA	FURNISH VIDEO MULTIPLEXER GENERIC SIGNAL ITEM	•		** AT STATION ************************************
	Lit	FURNISH VIDEO SIGNAL TESTING	5,900	M3	(3,277+68.339 -L-LT.) UNCLASSIFIED STRUCTURE EXCAVA-
		KIT	5,700		TION
1	EA	GENERIC SIGNAL ITEM FURNISH VIDEO/PTZ SYSTEM	12,815.9	M2	REINFORCED CONCRETE DECK SLAB
2	EA	GENERIC SIGNAL ITEM	13,528.2	M2	GROOVING BRIDGE FLOORS CLASS A CONCRETE (BRIDGE)
	г.	HIGH SPEED INTERNET ACCESS	1,479.1 Lump Sum	M3 LS	BRIDGE APPROACH SLABS, STATION
1	EA	GENERIC SIGNAL ITEM MONITOR			******
5	EA	GENERIC SIGNAL ITEM	Lump Sum	LS	(17+37.086 -Y3-) BRIDGE APPROACH SLABS, STATION
,	г.	NEW ELECTRICAL SERVICE	Lump Sum	LO	********
1	EA	GENERIC SIGNAL ITEM PROTOCOL CONVERTER			(179+16.633 -L-)
1	EA	GENERIC SIGNAL ITEM	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
1	EA	PTZ CONTROL PANEL			(209+17.263 -L-)
1	EA	GENERIC SIGNAL ITEM VIDEO DECODER	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
1	EA	GENERIC SIGNAL ITEM			(256+58.326 -L-)
1	EA	VIDEO ENCODER GENERIC SIGNAL ITEM	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
1	EA	VIDEO MULTIPLEXER			**************************************
1	EA	GENERIC SIGNAL ITEM	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
Luma C	10	WIRELESS VIDEO/PTZ SYSTEM	-		**************************************
Lump Sum	LS	GENERIC SIGNAL ITEM ITS SYSTEM INTEGRATION	Lump Sum	LS	(277+68.339 -L- LT.) BRIDGE APPROACH SLABS, STATION
Lump Sum	LS	GENERIC SIGNAL ITEM	Zump Jum		******
Lump Sum	LS	SYSTEM COMPUTER INTEGRATION GENERIC SIGNAL ITEM	Lump Sum	LS	(277+68.339 -L- RT.) BRIDGE APPROACH SLABS, STATION
•		TRAINING			*******
					(298+57.237 -L-)

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I C	LS	DRIDGE ADDROACH CLADS STATION
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(318+10.648 -L-)
135,055	KG	REINFORCING STEEL (BRIDGE)
9,680	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,729,858	LS	APPROX KG STRUCTURAL STEEL
8,825.5	M	305MM PRESTRESSED CONC PILES
1,537.506	M	CONCRETE BARRIER RAIL
1,521.89	M	****MM CHAIN LINK FENCE
		(2080MM)
6,000	M2	100MM SLOPE PROTECTION
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM
		TEMPORARY SUPPORT AT INTERIOR
		BENT @ STA. 17+37.086 -Y3-